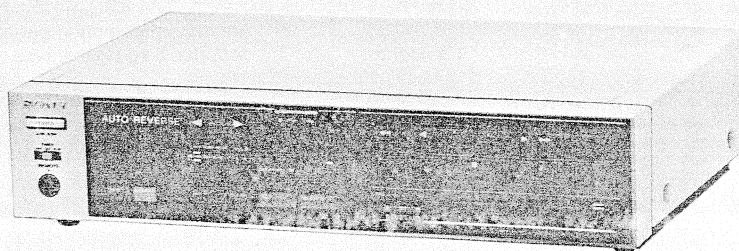


TC-V7

US Model
Canadian Model
AEP Model
UK Model
E Model



'Dolby' and the double-D symbol are the trade marks of Dolby Laboratories Licensing Corporation. Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.

STEREO CASSETTE DECK

SPECIFICATIONS

Recording system 4-track 2-channel stereo
Fast-forward and rewind time Approx. 100 sec. (with C-60 cassette)
Bias frequency 105 kHz
Signal-to-noise ratio (NAB, at peak level)

| Cassette | Dolby NR switch | OFF | B-TYPE ON | C-TYPE ON |
|-------------------------|-----------------|-------|-----------|-----------|
| TYPE IV (Sony METALLIC) | | 58 dB | 65 dB | 71 dB |
| TYPE III (Sony FeCr) | | 59 dB | 66 dB | 72 dB |
| TYPE II (Sony UCX) | | 57 dB | 64 dB | 70 dB |
| TYPE I (Sony BHF) | | 54 dB | 61 dB | 67 dB |

Total harmonic distortion

1.0% (with Sony METALLIC and FeCr cassettes)

Frequency response DOLBY NR OFF

- With TYPE IV cassette (Sony METALLIC)
20 - 17,000 Hz
30 - 15,000 Hz (± 3 dB)
30 - 13,000 Hz (± 3 dB, 0 VU recording)
30 - 15,000 Hz (DIN)
- With TYPE III cassette (Sony FeCr)
20 - 16,000 Hz
30 - 15,000 Hz (± 3 dB)
30 - 15,000 Hz (DIN)
- With TYPE II cassette (Sony UCX)
20 - 16,000 Hz
30 - 15,000 Hz (± 3 dB)
30 - 15,000 Hz (DIN)
- With TYPE I cassette (Sony BHF)
20 - 15,000 Hz
30 - 14,000 Hz (DIN)

0 dB = 0.775 V

Tape Transport Mechanism Type TCM-130RH1

— Continued on Page 2 —

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE Δ SUR LES DIAGRAMMES SCHEMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.



SONY®

SERVICE MANUAL

| | |
|-----------------|--|
| Wow and flutter | 0.065% WRMS (NAB) ±0.2% (DIN) |
| Inputs | Line inputs (phono jacks) Sensitivity 77.5 mV (-20 dB) Input impedance 50 k ohms |
| Outputs | Line outputs (phono jacks) Output level 0.435 V (-5 dB) at load impedance 50 k ohms Load impedance over 10 k ohms |

General

| | |
|--------------------|---|
| Power requirements | AEP model: 220 V ac, 50/60 Hz (240 V ac adjustable by authorized Sony personnel) UK model: 240 V ac, 50/60 Hz (220 V ac adjustable by authorized Sony personnel) US, Canadian model: 120V ac, 60 Hz E model: 110, 120, 220 or 240 V ac adjustable, 50/60 Hz |
| AC outlet | US, Canadian, AEP model: 1 unswitched, 100 watts max. UK model: 1 switched, 100 watts max. |
| Power consumption | AEP, UK model: 22 watts US, Canadian model: 20 watts E model: 21 watts |
| Dimensions | Approx. 355 × 80 × 280 mm (w/h/d) (14 × 3 1/4 × 11 1/8 inches) including projecting parts and controls |
| Weight | Approx. 5 kg (11 lbs 1 oz) |

SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

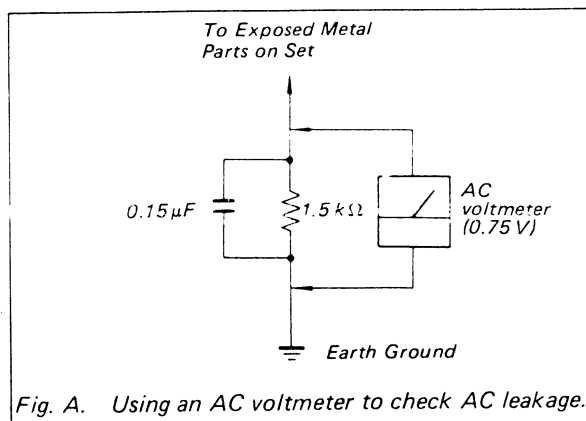


Fig. A. Using an AC voltmeter to check AC leakage.

STEREO CASSETTE DECK

TC-V7

US Model
Canadian Model
AEP Model
E Model
UK Model

SUPPLEMENT

File this supplement with the service manual.

Subject: SYSTEM CONTROL CIRCUIT CHANGE

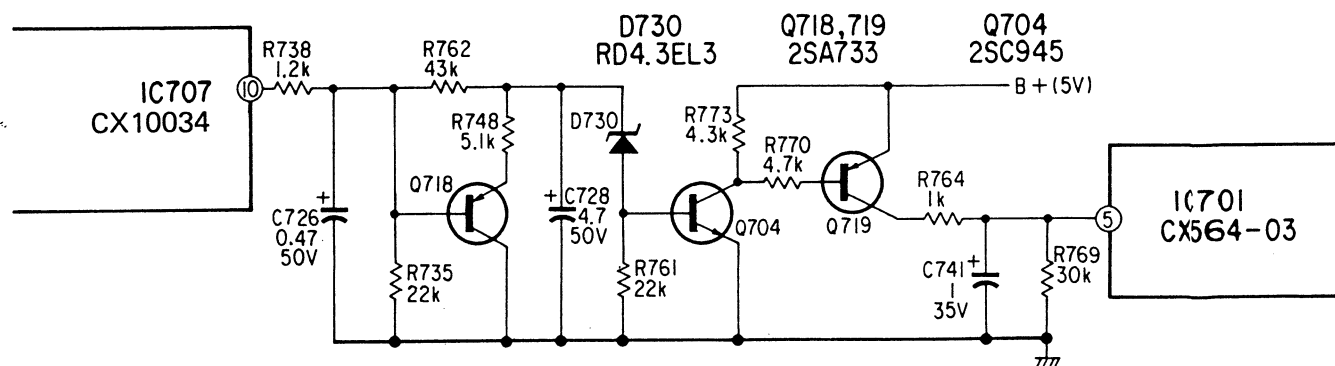
- System control IC (IC701) and circuit have been changed.

When replacing IC701, Use replacement IC with same type No. as original IC.

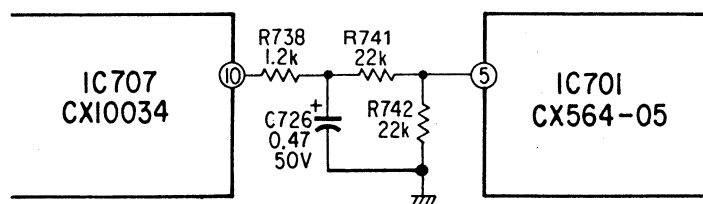
No. 1
June, 1983

1. CHANGED CIRCUIT

- Former

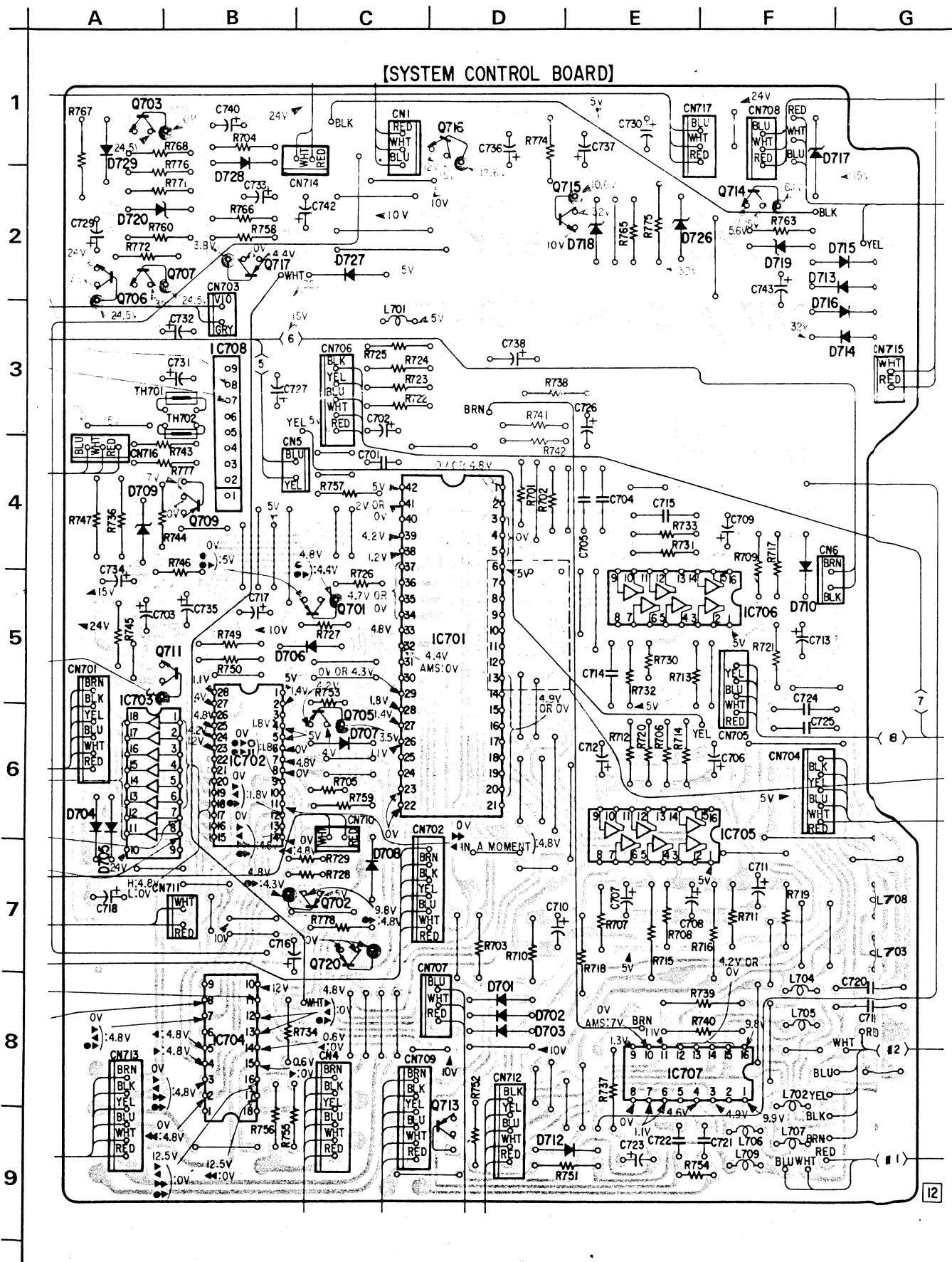


- New



SONY
SERVICE MANUAL

• New



3. CHANGED PARTS

| Ref.No. | Former Parts | | New Parts | | Remarks |
|---------|--------------|-----------|--------------|-------------|---------|
| | Description | | Part No. | Description | |
| C728 | TANTALUM | 4.7MF 16V | ..... |  | DELETED |
| C741 | TANTALUM | 1MF 35V | ..... |  | DELETED |
| D730 | DIODE | RD4.3EL3 | ..... |  | DELETED |
| IC701 | IC | CX564-03 | 8-755-640-50 | IC CX564-05 | CHANGED |
| R735 | CARBON | 22K | ..... |  | DELETED |
| R741 | ..... |  | 1-246-505-00 | CARBON 22K | ADDED |
| R742 | ..... |  | 1-246-505-00 | CARBON 22K | ADDED |
| R748 | CARBON | 5.1K | ..... |  | DELETED |
| R761 | CARBON | 22K | ..... |  | DELETED |
| R762 | CARBON | 43K | ..... |  | DELETED |
| R764 | CARBON | 1K | ..... |  | DELETED |
| R769 | METAL | 30K | ..... |  | DELETED |
| R770 | CARBON | 4.7K | ..... |  | DELETED |
| R773 | CARBON | 1K | ..... |  | DELETED |
| Q704 | TRANSISTOR | 2SC1364 | ..... |  | DELETED |
| Q718 | TRANSISTOR | 2SA1027R | ..... |  | DELETED |
| Q719 | TRANSISTOR | 2SA1027R | ..... |  | DELETED |

4. CHANGED FUSE (E Model)

| | Former | | New |
|----|----------------|------------------|---------------------------------|
| F1 | △ 1-532-078-00 | FUSE, TIME-LAG → | △ 1-532-453-XX FUSE, GLASS TUBE |
| F2 | △ 1-532-078-00 | FUSE, TIME-LAG → | △ 1-532-453-XX FUSE, GLASS TUBE |

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

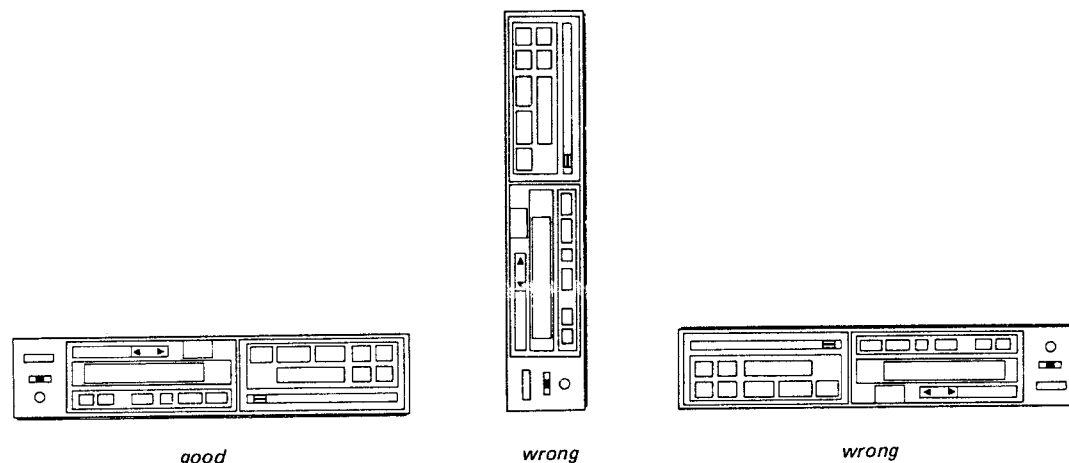
Sony Corporation
Consumer Products Group
Technical Support Dept.

SECTION 1 OUTLINE

1-1. FEATURE

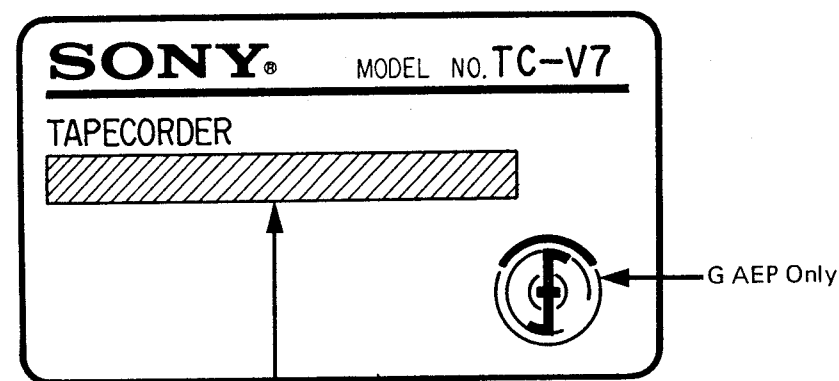
NOTES ON REPAIR

When the mechanism section is operated with the set in an upside-down position, misoperation may result. For repair while operating the mechanism section, perform with the set in its normal position or standing on its side.



MODEL IDENTIFICATION

—Specification label on jack plate—



US, Canadian : AC: 120V 60Hz 20W
AEP, G AEP : AC: 220V ~ 50/60Hz 22W
UK : AC: 240V ~ 50/60Hz 22W
E : AC: 110, 120, 220, 240V ~ 50/60Hz 21W

Auto-reverse playback with roto-bilateral record/playback head

Continuous playback of both sides of the cassette is possible without turning the cassette over. When the tape reaches its end, the roto-bilateral record/playback head reverses position and the other side will be played back automatically. The side being played back can be changed instantly during playback by simply pressing the forward or reverse play button. The ► or ◄ indicator shows the playback direction. The roto-bilateral head assures the same performance characteristics in either tape transport direction.

Newly-developed Laser Amorphous head

The record-playback head is made of a special amorphous magnetic alloy developed by Sony, and its cores are solidly welded by laser. This new highly durable head provides a wider dynamic range and a more extended frequency response, especially in the high-frequency range. The head is designed to take full advantage of the potential of metal tapes.

Ultra slim cabinet

Touch a button and the cassette module slides smoothly out. The use of this cassette module with a linearskating power loading mechanism makes it possible to reduce the height of the cabinet to 70mm.

Blank skip function

Blank spaces of at least 10 seconds long can be skipped in either fast-forward or fast-reverse mode so that only the recorded portions of the tape are played back.

AMS (Automatic Music Sensor)

The AMS locates a selection as far ahead as 9 selections or as far back as 8 selections and plays the selection back automatically.

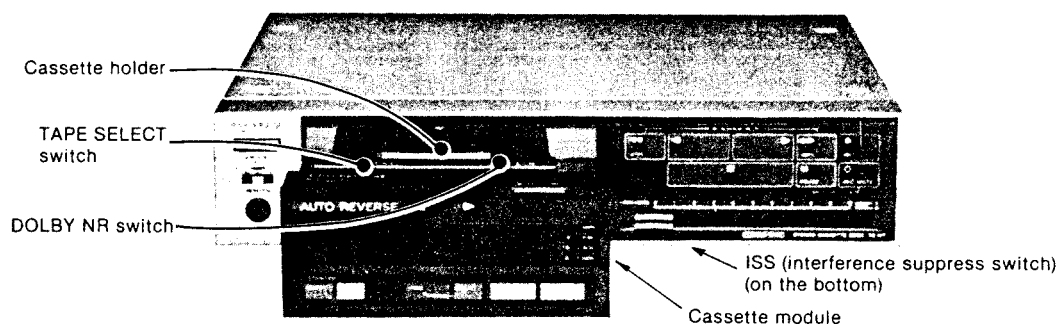
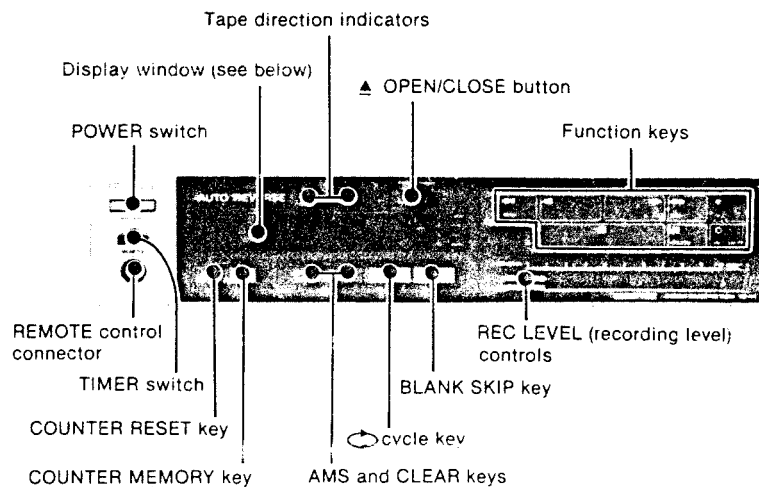
Cycle Play

Using the cycle key, both sides of the cassette can be played back five times in succession.

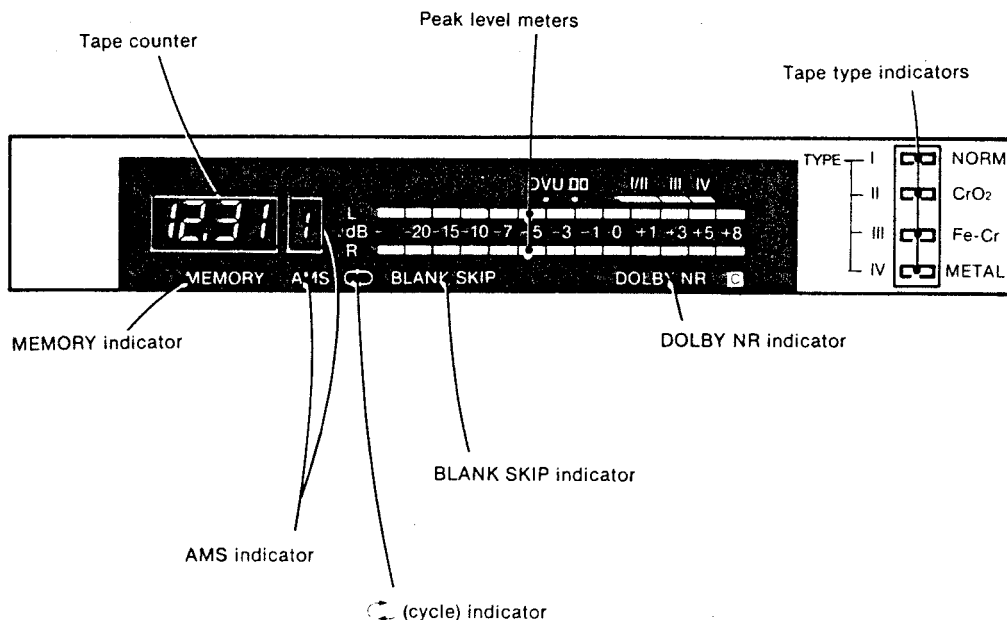
Other useful functions

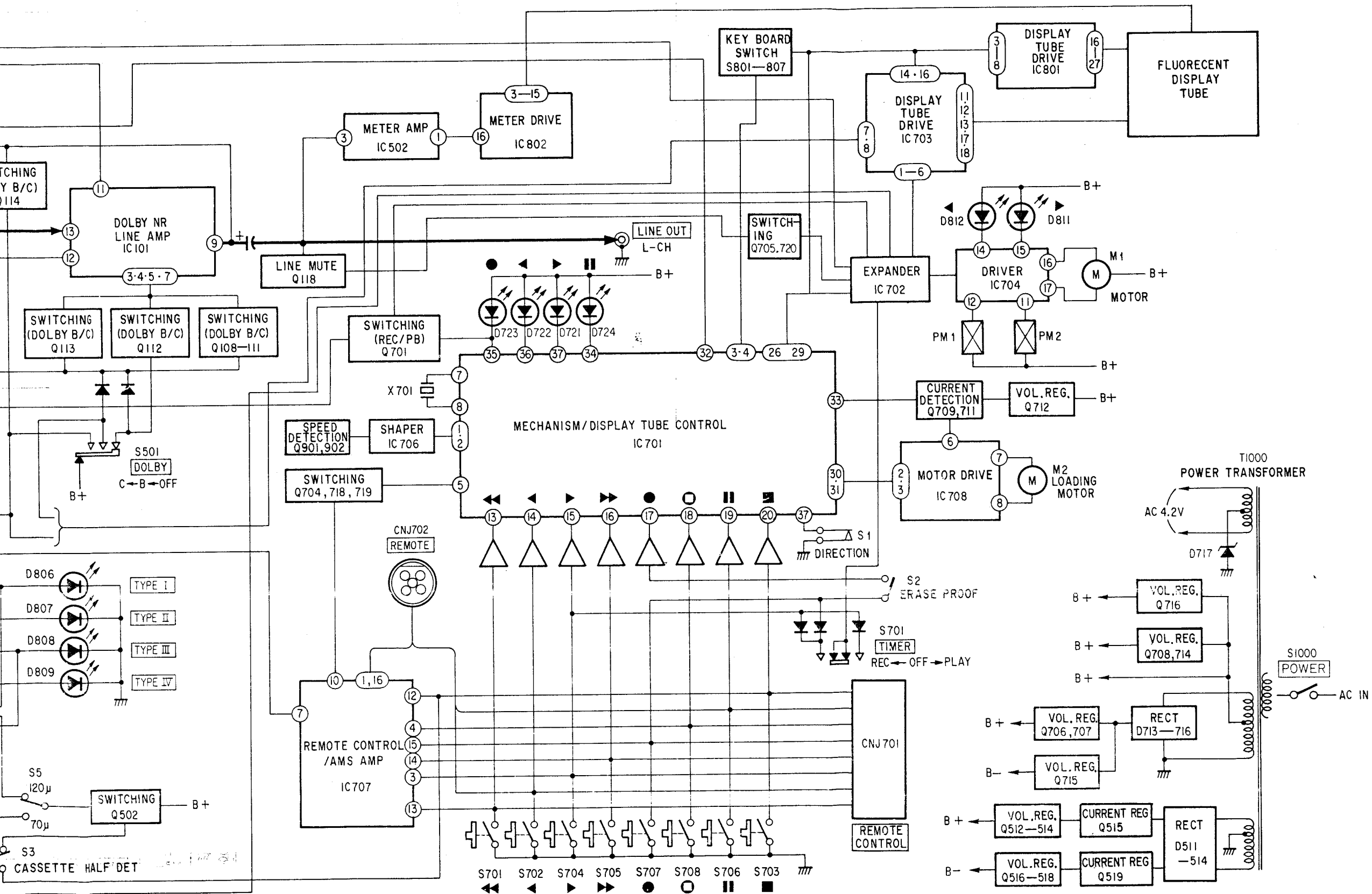
- The newly-developed C-type Dolby NR system which reduces tape noise twice as effectively as the conventional B-type system is incorporated.
- The digital linear counter indicates the elapsed recording or playback time in minutes and seconds, and indicates the recording time remaining with a minus sign.
- The peak level meters, digital linear counter, and other indicators in use are all displayed in the bright FL-display window.
- The automatic tape select system adjusts are cassette deck to the optimum recording and playback characteristics for each tape type.
- A timer switch is provided to turn the deck on and off at times preset on an optional timer.
- Various remote control operations are possible using the optional RM-70 remote control unit, the RM-65 synchro remote control unit (for synchronized operation with the turntable) or the ST-V7 system control tuner (for remote control of the audio system).

1-2. FUNCTION OF CONTROL



Display window





SECTION 2

OPERATION DESCRIPTION

2-1. MECHANICAL SECTION OPEN/CLOSE OPERATION

The mechanical section on this set can be opened and closed simply by pushing the OPEN/CLOSE button, due to the linear skating structure.

IC708 is for driving the loading motor (M2) which moves the mechanism. Pins ② and ③ are input pins and ⑦ and ⑧ are output pins. Pin ⑥ is the power supply pin and ⑤ is the ground.

The forward and reverse rotation of the motor is performed by the 1 and 0 combination of input pins ② and ③. Microcomputer IC701 inputs to pins ② and ③. The truth table for IC708 is as follows:

| IC708 pin no. | Input | | Output | |
|---------------|-------|---|--------|---|
| | ② | ③ | ⑦ | ⑧ |
| during OPEN | H | L | H | L |
| during CLOSE | L | H | L | H |
| Stop | H | H | L | L |

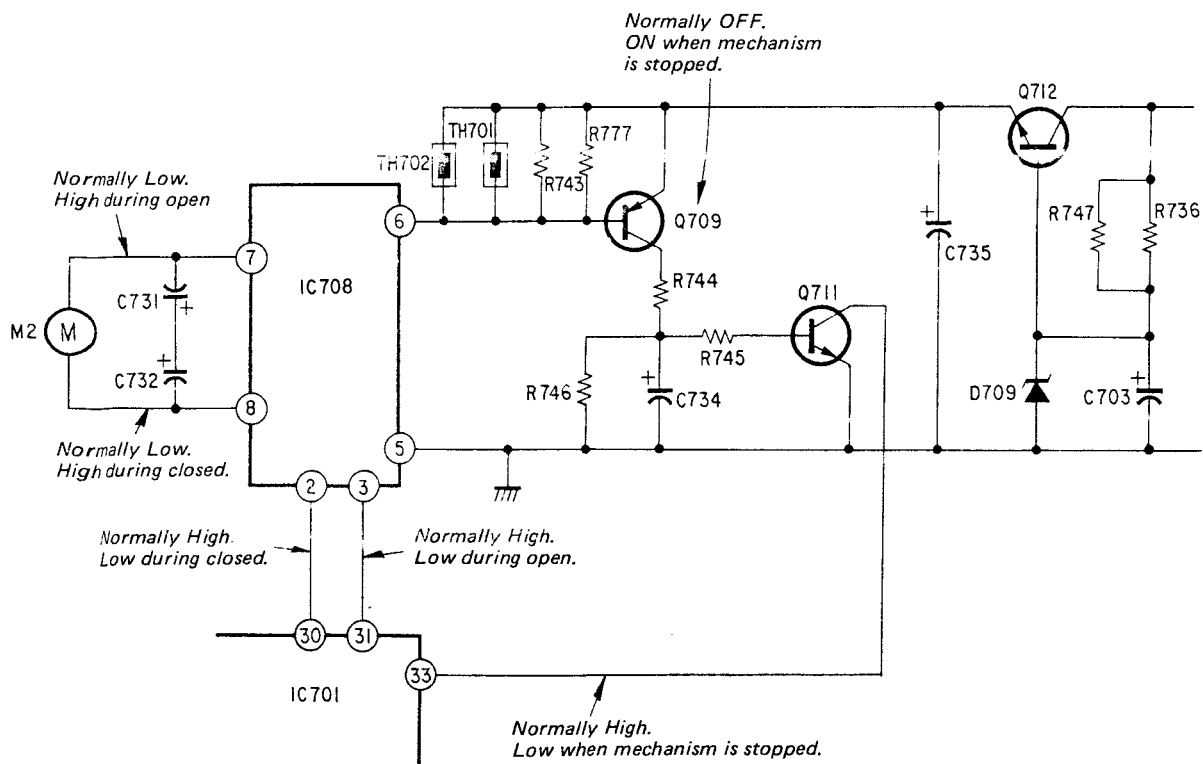
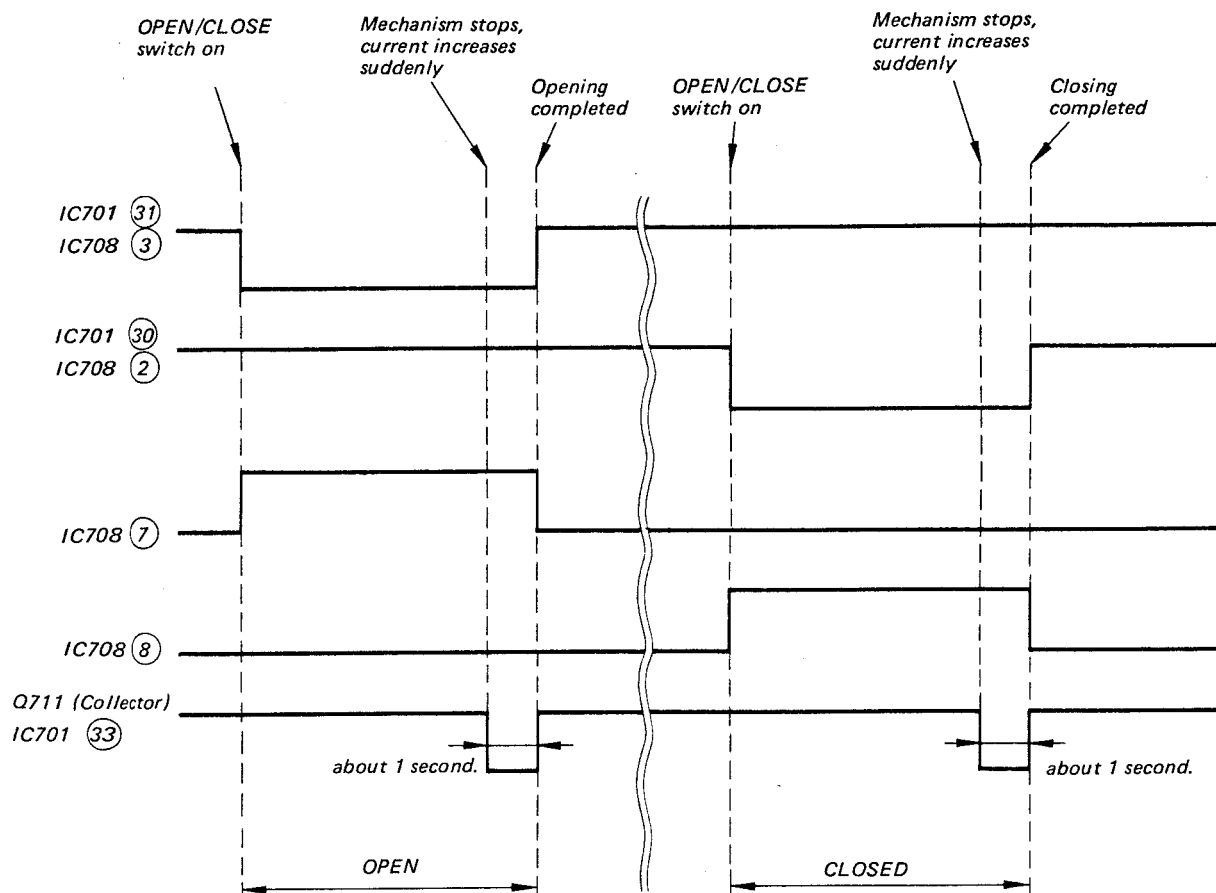
(1) CLOSE → OPEN

When the OPEN/CLOSE button is pressed while the mechanism is closed, IC701 pin ③① goes from high to low, IC708 pin ⑦ goes high, pin ⑧ goes low, the motor rotates and the mechanism opens. Even when the mechanism opens completely and stops, IC708 pin ⑦ and ⑧ remain high and low, and voltage continues to be applied to the motor, so the current flowing to IC708 pin ⑥ increases suddenly. When the current increases, Q709 base potential drops and Q709 turns on. When Q709 goes on, Q711 turns on. This causes IC701 pin ③③ to drop to 0V, and "Mechanism open" is input to IC701. When IC701 pin ③③ becomes 0V, IC701 pin ③① goes from low to high and IC708 pins ⑦ and ⑧ go low. Voltage ceases to be applied to the motor and opening is completed.

(2) OPEN → CLOSE

When the OPEN/CLOSE button is pressed while the mechanism is open, IC701 pin ③① goes from high to low, IC708 pin ⑦ goes low and pin ⑧ goes high, the motor rotates in reverse and the mechanism closes. Even when the mechanism closes completely and stops, IC708 pins ⑦ and ⑧ remain low and high, and voltage continues to be applied to the motor, so the current flowing to IC708 pin ⑥ increases suddenly. When the current increases, Q709 base potential drops and Q709 turns on. When Q709 turns on, Q711 base potential drops and it goes on. This causes IC701 pin ③③ to drop to 0V, and "mechanism closed" is input to IC701. When IC701 pin ③③ becomes 0V, IC701 pin ③① goes from low to high and IC708 pins ⑦ and ⑧ go low. Voltage ceases to be applied to the motor and closing is completed. (When power is turned on and IC701 is reset, IC701 regards the mechanism as closed.)

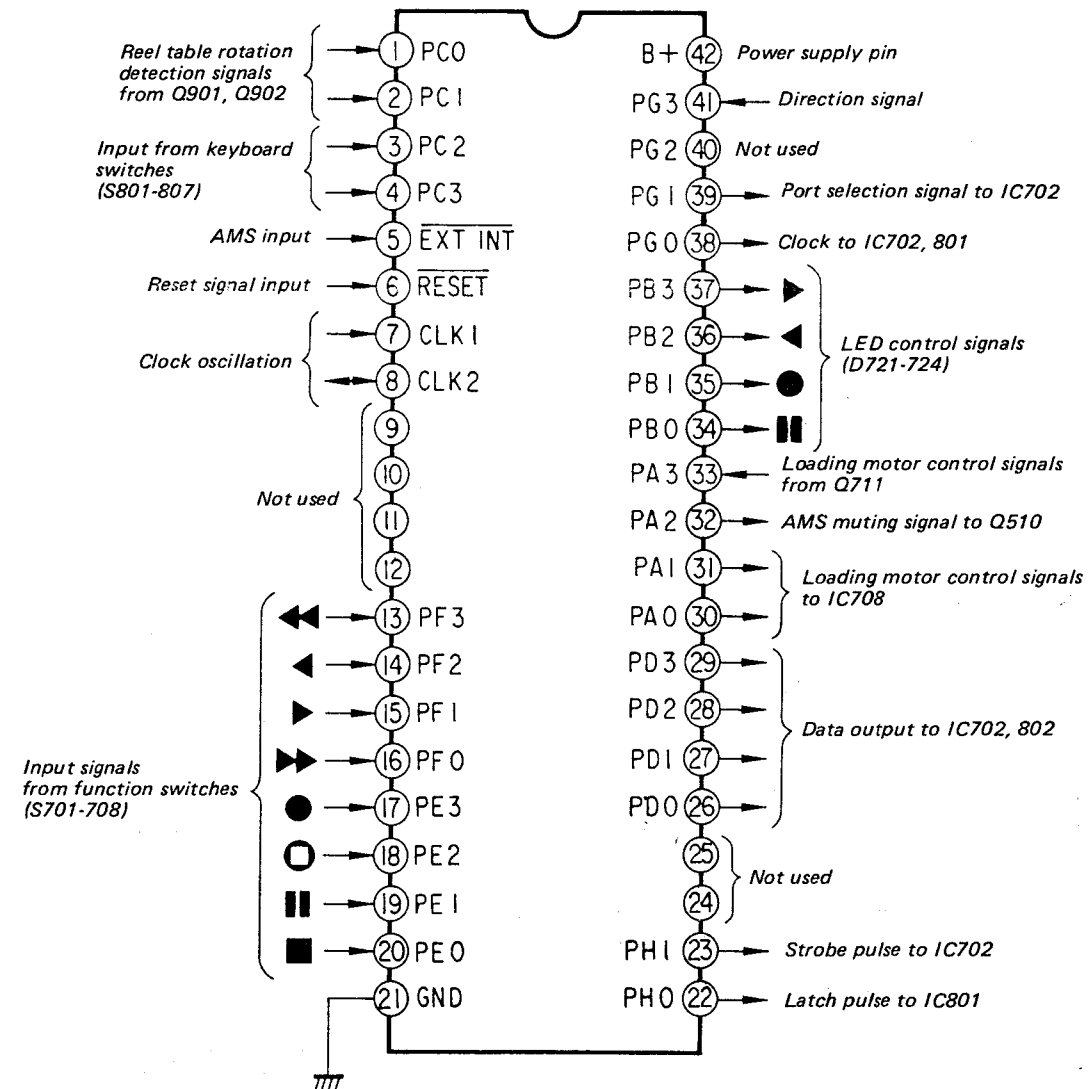
2-2. OPEN/CLOSED OPERATION TIMING CHART



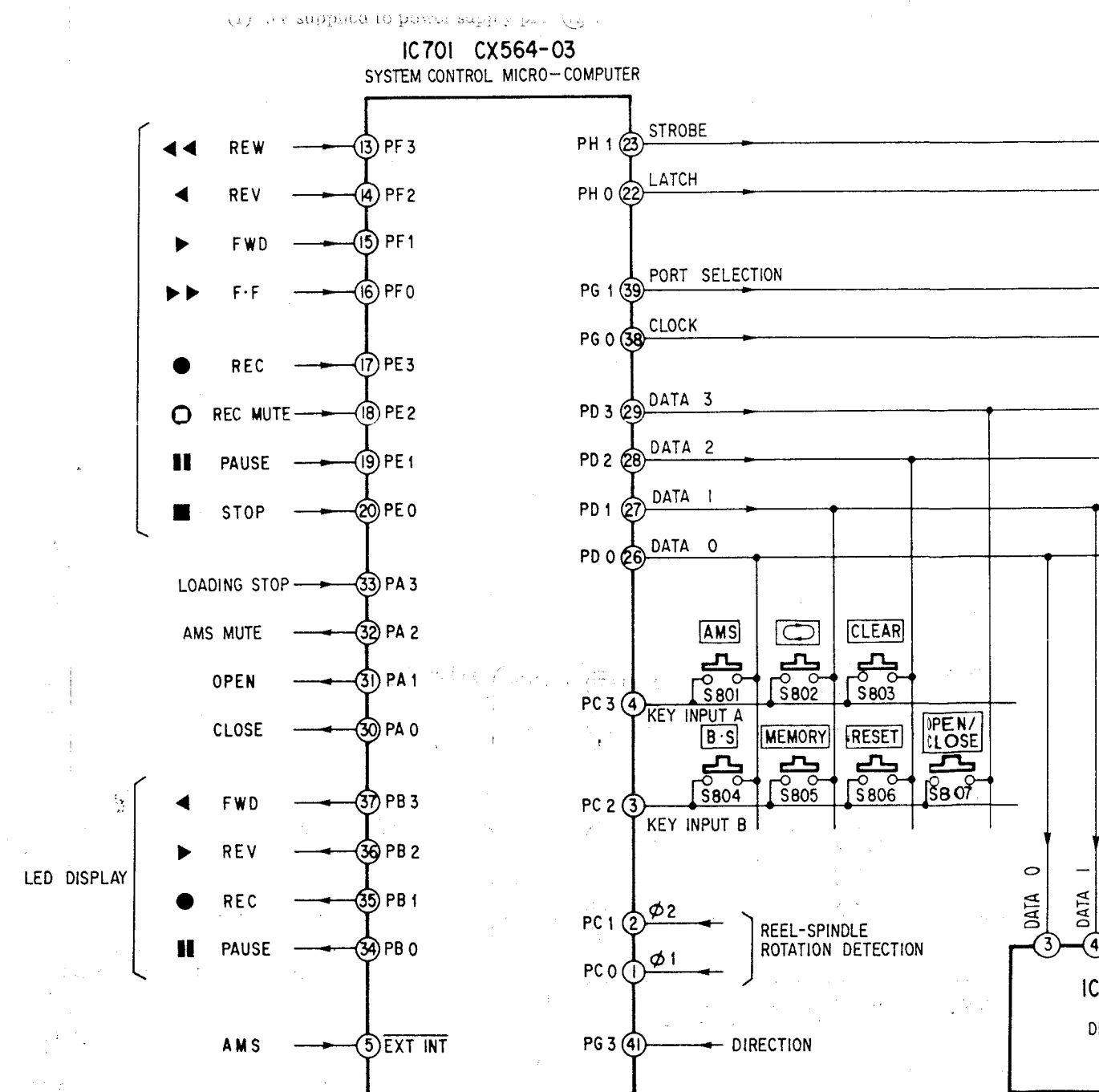
2-3. SYSTEM CONTROL MICROCOMPUTER (IC701)

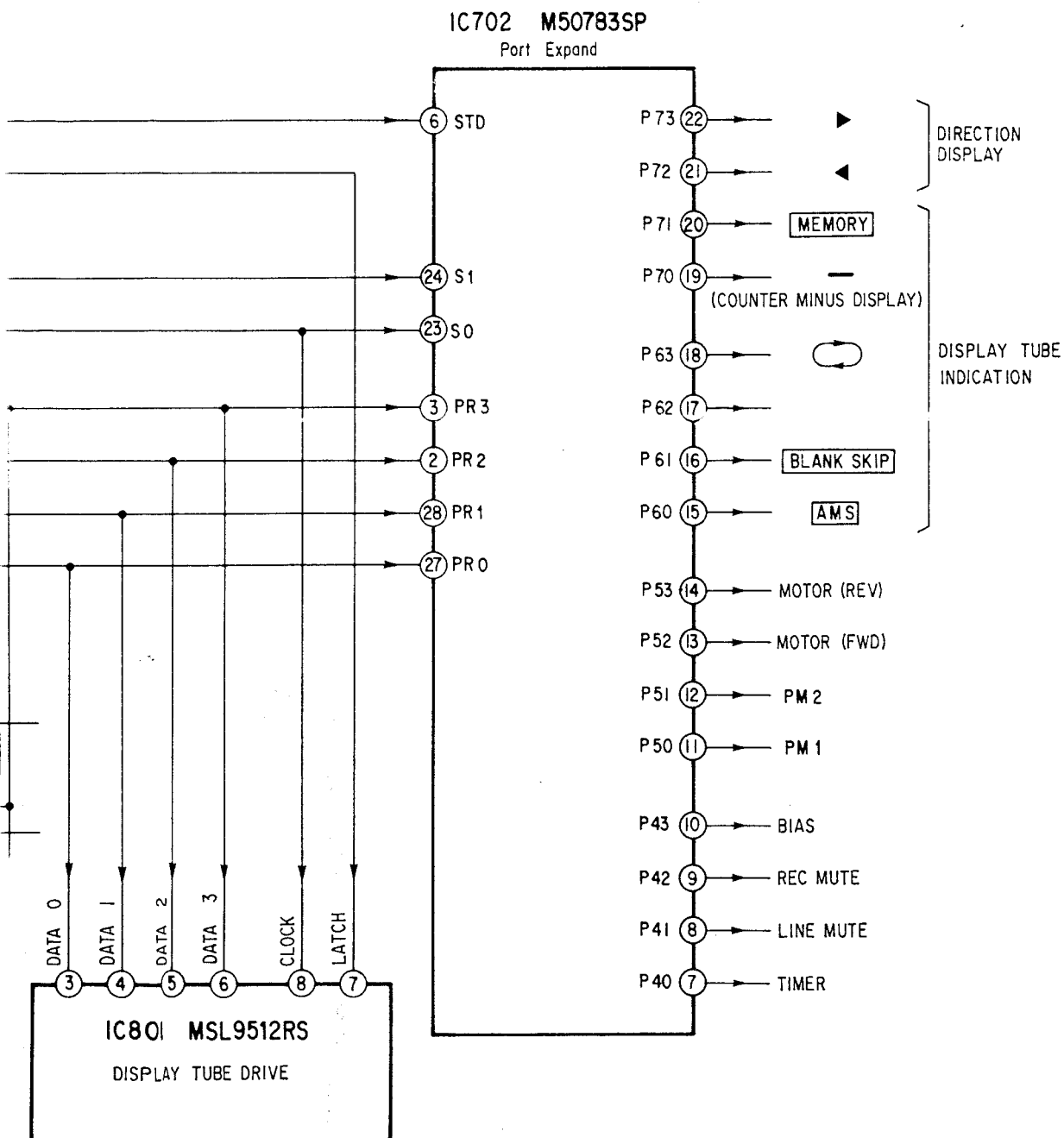
Conditions for IC701 beginning to operate:

- (1) 5V supplied to power supply pin (42).
- (2) Reset pin (6) goes to 5V from 0V.
- (3) Clock pins (7) and (8) are oscillating at 4MHz or 3.99MHz.



2-4. PORT MAP

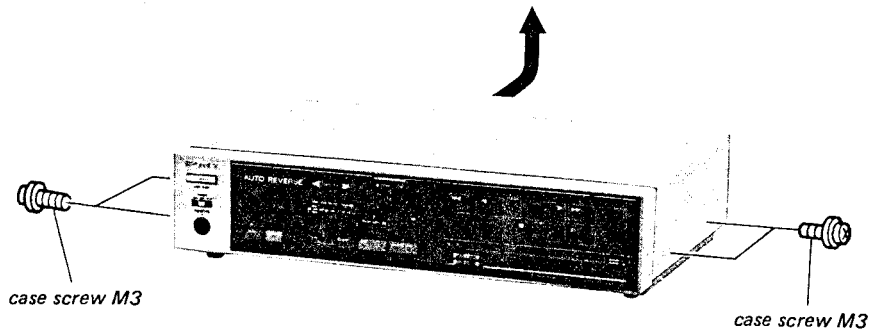




SECTION 3 DISASSEMBLY

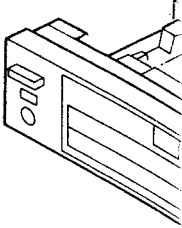
Note: Follow the disassembly procedure in the numerical order given.

CASE REMOVAL

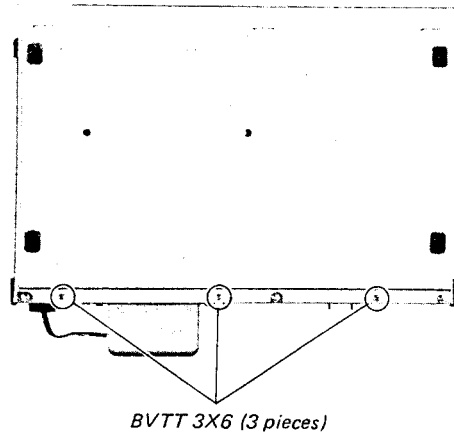


PLAYBACK BOARD REMOVAL

- ① +PTPWH3X5 (2 pieces)

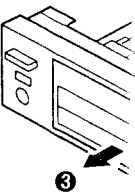


BOTTOM PLATE REMOVAL

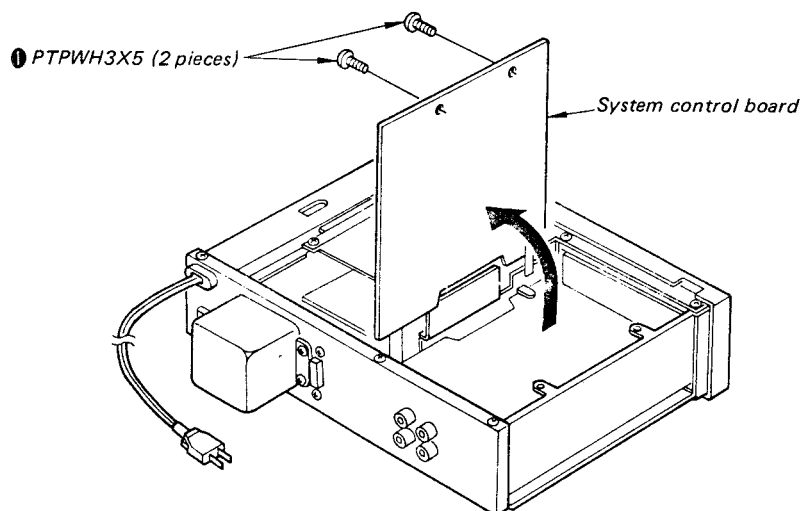


MECHANISM SECTION

- ② Remove the Joint (B)

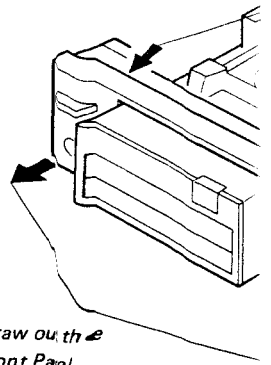


SYSTEM CONTROL BOARD REMOVAL

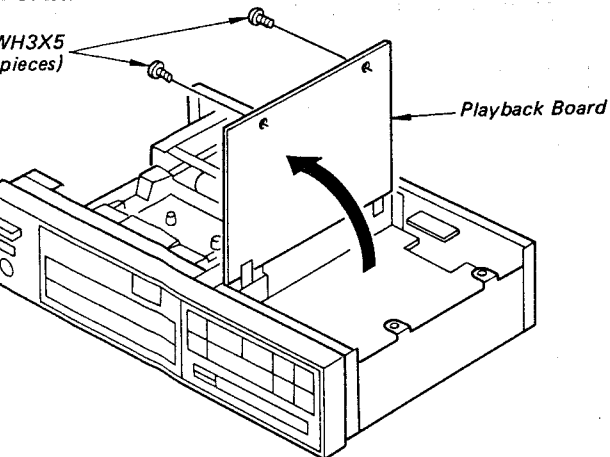


FRONT PANEL REMOVAL

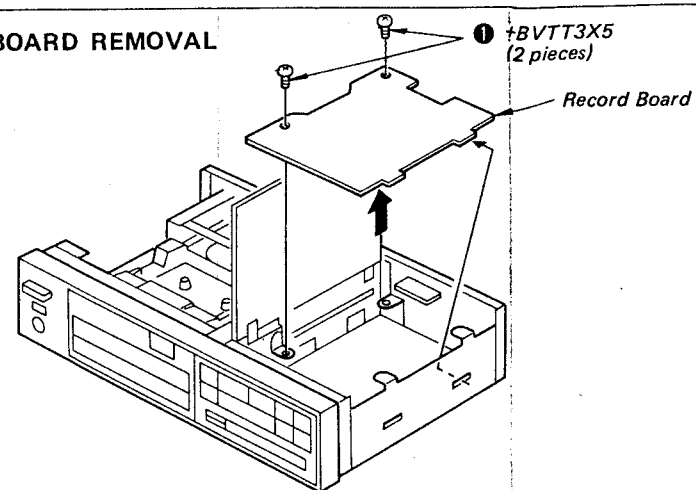
- ② Draw out the front Panel.



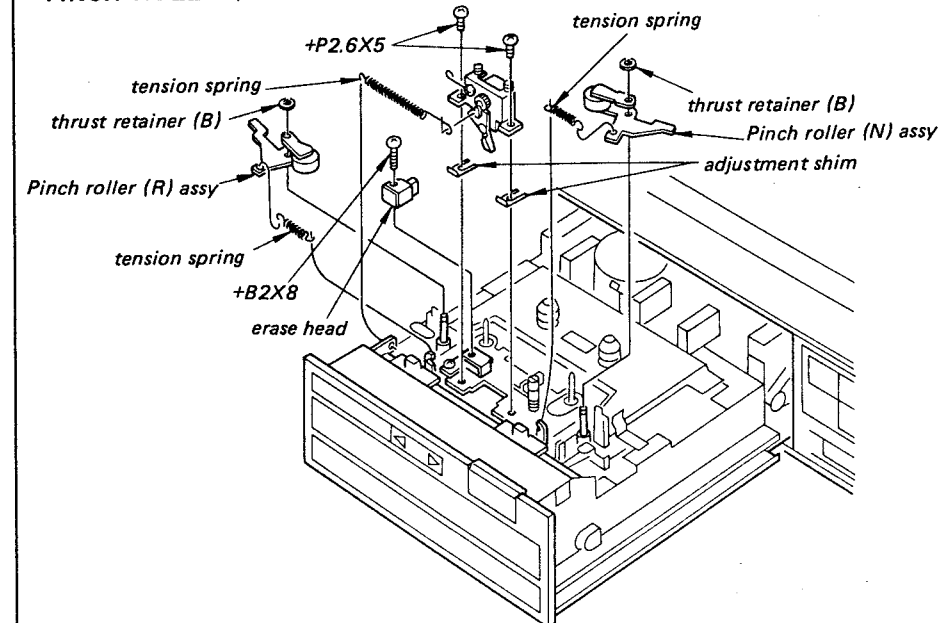
BOARD REMOVAL



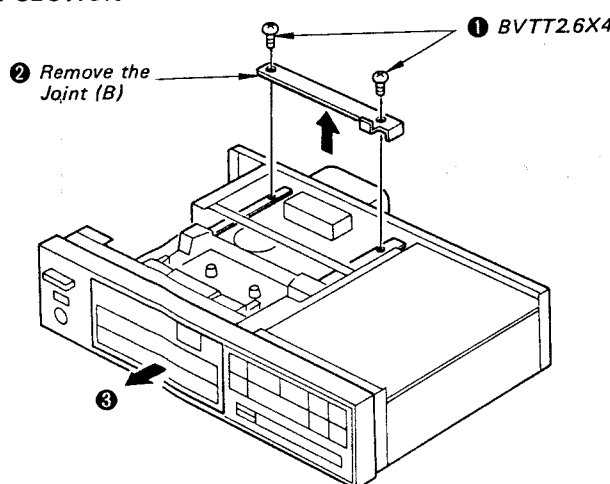
RECORD BOARD REMOVAL



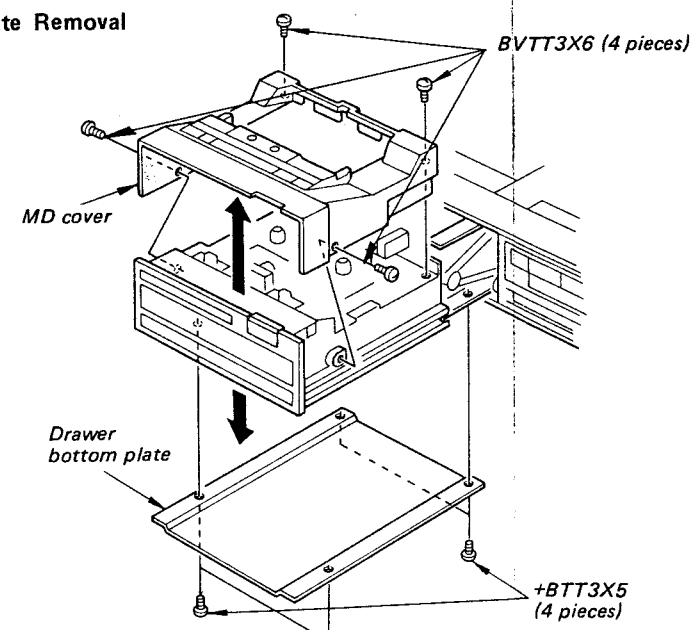
PINCH ROLLER/HEAD REMOVAL



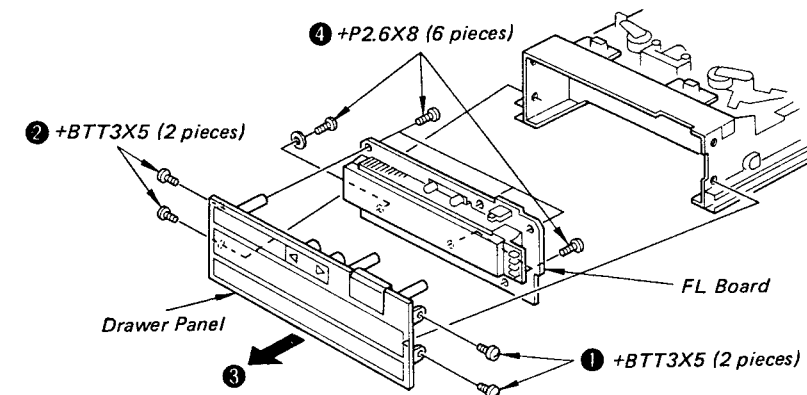
SECTION



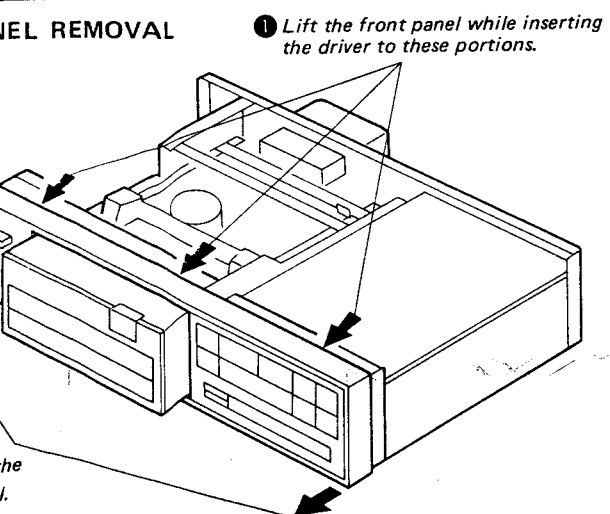
MD Cover/Drawer Bottom Plate Removal



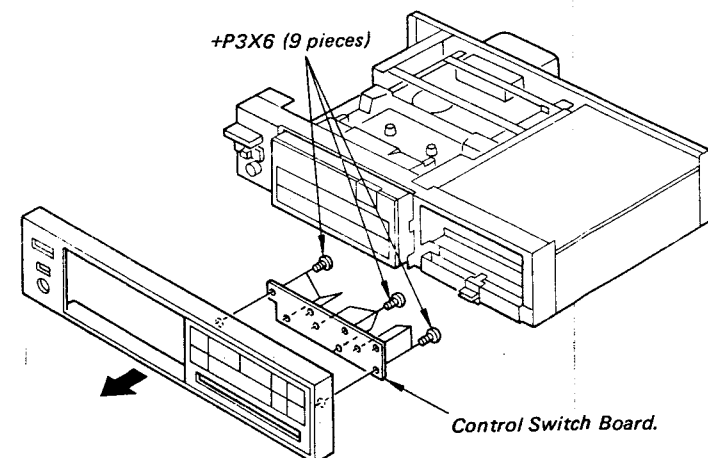
DRAWER PANEL/FL BOARD REMOVAL



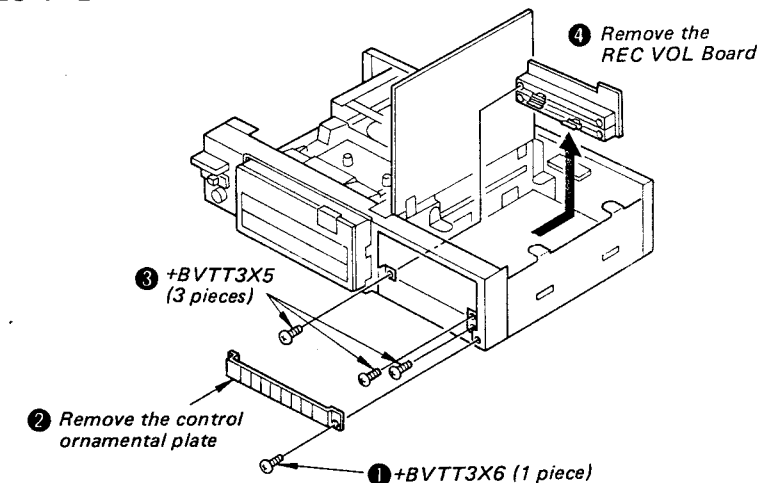
FRONT PANEL REMOVAL



CONTROL SW BOARD REMOVAL



REC VOL BOARD REMOVAL



SECTION 4 ADJUSTMENTS

4.1. MECHANICAL ADJUSTMENTS

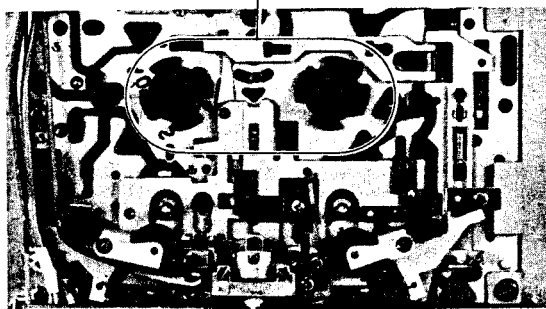
PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

| | |
|----------------------|--------------|
| record/playback head | pinch roller |
| erase head | rubber belts |
| capstan | idlers |
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

| Mode | Torque Meter | Torque |
|------------------|--------------|---------------------------------|
| Forward | CQ-102C | 28–60 g·cm 0.39–0.82 oz·inch |
| FWD back tension | CQ-102C | 2–7 g·cm 0.03–0.1 oz·inch |
| Reverse | CQ-102RB | 28–60 g·cm 0.39–0.82 oz·inch |
| REV back tension | CQ-102RB | 2–7 g·cm 0.03–0.1 oz·inch |



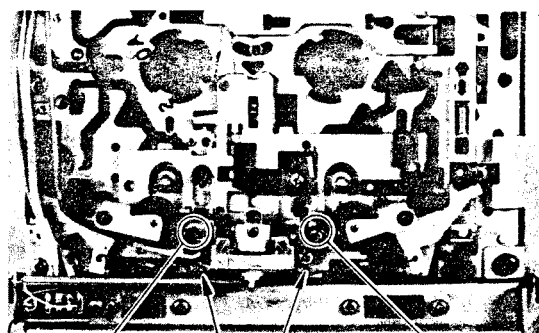
The height adjustment shim of the head holder assembly.

| Thick (mm) | Parts No. |
|------------|--------------|
| 0.05 | 3-307-477-41 |
| 0.1 | 3-307-477-01 |
| 0.2 | 3-307-477-11 |
| 0.3 | 3-307-477-21 |
| 0.4 | 3-307-477-31 |

TAPE PATH ADJUSTMENT

When assembling the erase head and head holder, and when replacing the tape guide (L), be sure to perform the following adjustments.

1. Using a mirror tape cassette, adjust each of the adjustment screws until there is no tape curling.
2. Perform adjustments by changing the height adjustment shim of the head holder assembly and the height adjustment shim of the record/playback head, so that the core of the record/playback head is positioned correctly for both FWD and REV.

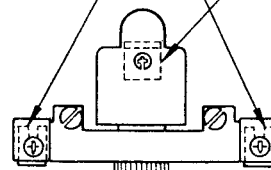


Erase head tape pass adjustment screw

Tape guide tape pass adjustment screw.

Head holder height adjustment shim

Height adjustment shim of REC/PB head.



Enlarged view of head holder assembly

3. After the adjustment, lock the screws with locking compound.

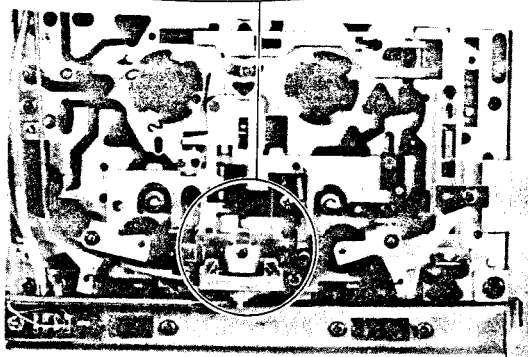
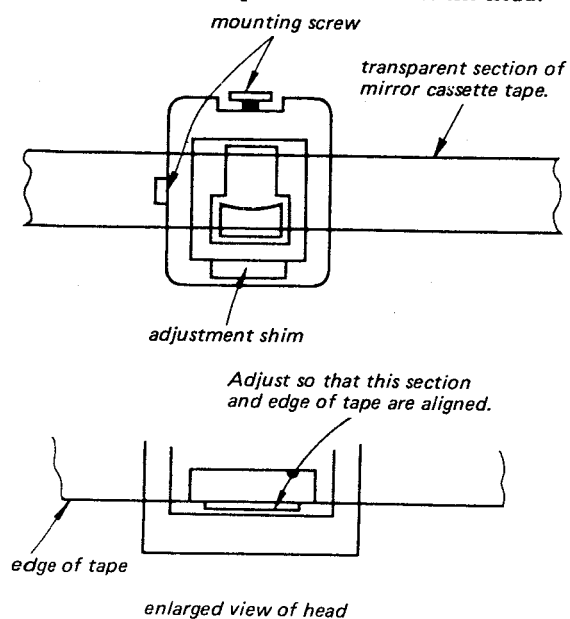
The height adjustment shim of the REC/PB head.

| Thick (mm) | Parts No. |
|------------|--------------|
| 0.05 | 3-307-480-02 |
| 0.1 | 3-307-479-01 |
| 0.2 | 3-307-479-11 |
| 0.3 | 3-307-479-21 |
| 0.4 | 3-307-479-31 |

RECORD/PLAYBACK HEAD HEIGHT ADJUSTMENT

The following adjustments should be made when the record/playback head is replaced.

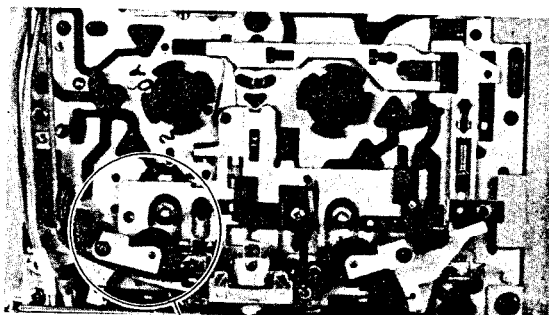
1. The head should be made after removing the head pad of the mirror tape cassette.
2. Using the leader section of the mirror cassette tape, adjustments are made by changing the adjusting shim so that the core and the edge of the tape become as shown in the illustration below when the tape is moved across the head.



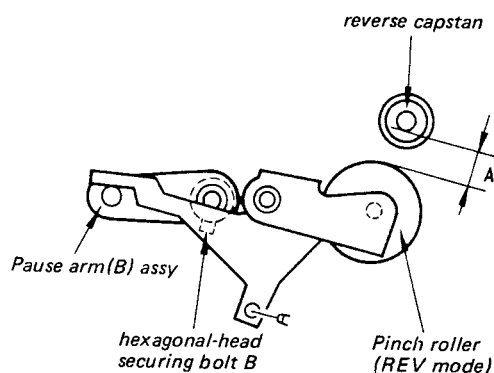
The height adjustment shim of the REC/PB head

| Thick (mm) | Parts No. |
|------------|--------------|
| 0.05 | 3-307-480-02 |
| 0.1 | 3-307-479-01 |
| 0.2 | 3-307-479-11 |
| 0.3 | 3-307-479-21 |
| 0.4 | 3-307-479-31 |

PAUSE ARM POSITION ADJUSTMENT



Loosen the hexagonal-head securing bolt B and adjust the position of the pause arm B so that the distance of A becomes 0.5 mm ~ 1.0 mm.



4-2. ELECTRICAL ADJUSTMENTS

Note: The adjustment should be performed in the order given in this service manual. The adjustments should be performed for both L-CH and R-CH.

- Set the TAPE switches according to the tape as follows.

| Tape | TAPE switch |
|-------|-------------|
| CS-10 | TYPE I |
| CS-20 | TYPE II |
| CS-30 | TYPE III |
| CS-40 | TYPE IV |

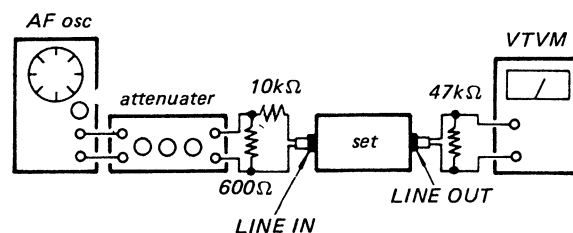
- Switches and controls should be set as follows unless otherwise specified.

| | |
|------------------|--------|
| DOLBY NR switch: | OFF |
| TAPE switch: | TYPE I |
| TIMER switch: | OFF |

- Standard Record :

Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

—Record Mode—



Standard Input Level

| | LINE IN |
|------------------|-----------------|
| source impedance | 10 kΩ |
| input level | 0.25 V (-10 dB) |

Standard Output Level

| | LINE OUT |
|----------------|----------------|
| load impedance | 47 kΩ |
| output level | 0.44 V (-5 dB) |

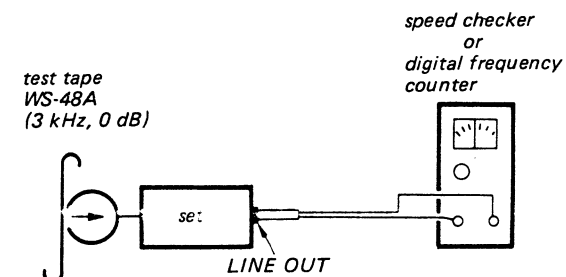
Tape Speed Adjustment

Setting:

Tape Selector Switch AUTO
Dorby NR switch OFF

Procedure:

Mode: PLAYBACK



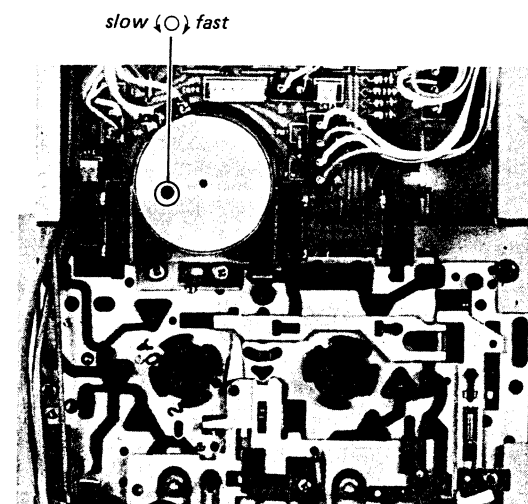
Using test tape WS-48A adjust the variable resistor that built in motor so that the specification is met. Adjust for both forward (▶) direction and reverse (◀) direction.

Specification:

| Speed checker | Digital frequency counter |
|---------------|---------------------------|
| ±1% | 2,970—3,030 Hz |

Frequency difference between the beginning and the end of the tape should be within 1% (30 Hz).

Adjustment Location:

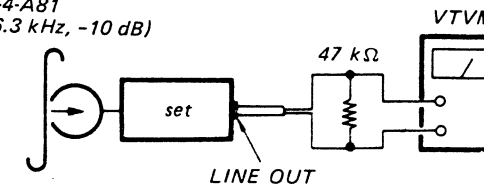


Record/playback Head Azimuth Adjustment

Procedure:

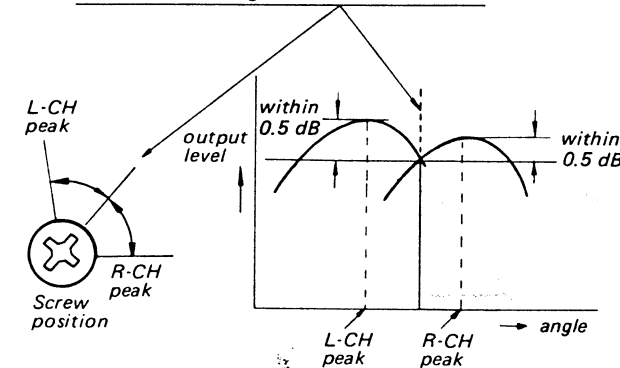
- Mode: playback (FOW/REV)

test tape
P-4-A81
(6.3 kHz, -10 dB)



Adjust for forward (▶) direction and reverse (◀) direction.

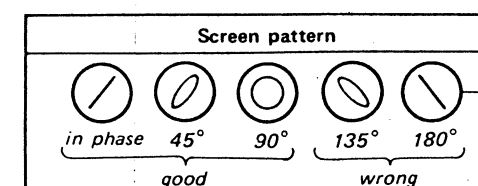
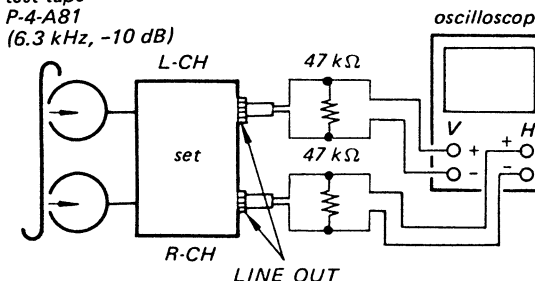
- Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw where both of output levels match together within 0.5 dB.



- Phase Check

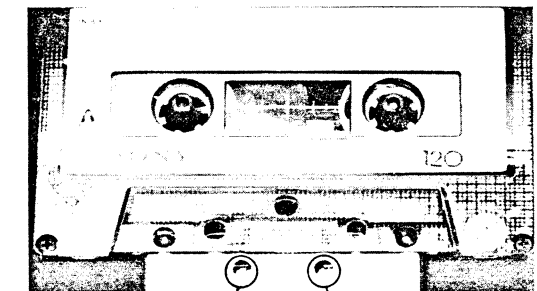
Confirm that phase difference between L-channel and R-channel is within 90°.

test tape
P-4-A81
(6.3 kHz, -10 dB)



- After the adjustment, lock the screws with locking compound.

Adjustment Location:



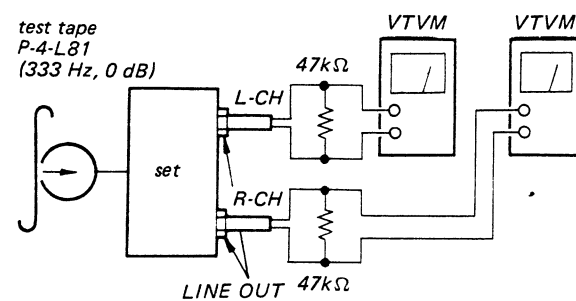
Adjustment screw
REVERSE direction
(◀)

Adjustment screws
FORWARD direction
(▶)

Playback Level Adjustment

Procedure:

Mode: playback



Adjust the RV101 (L-CH) and RV201 (R-CH) so that the specification is met.

Specification:

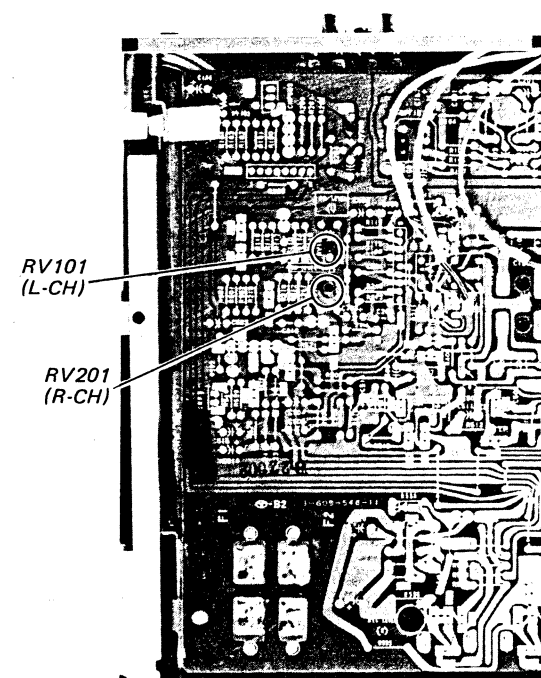
LINE OUT level: 0.52 ~ 0.59 V
(-3.5 ~ -2.5 dB)

Level difference between channels:
less than 0.5 dB

Check that the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

Adjustment Location:

—PLAYBACK BOARD—



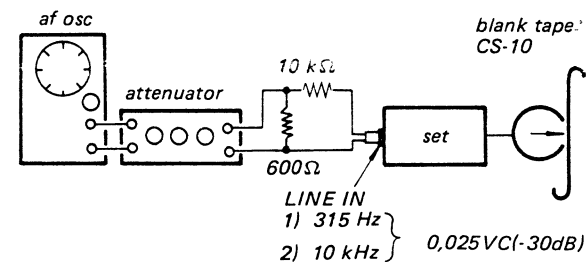
Record Bias Adjustment

Setting:

TAPE SELECTOR : AUTO
DOLBY NR : OFF
TEST TAPE : CS-10 (Blank tape)
REC LEVEL : STANDARD RECORD
(See page 19)

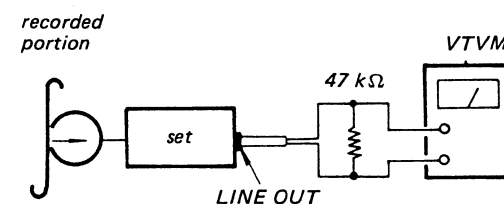
Procedure:

1. Mode: record



Record 315 Hz and 10 kHz Signals.

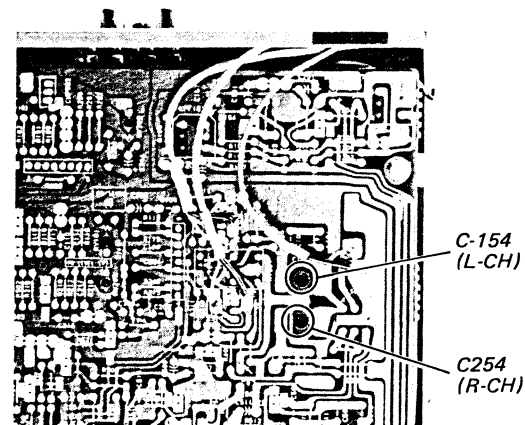
2. Mode: playback



Playback the two signals recorded in Step 1.
Adjust C154 (L-CH) and C254 (R-CH) so that playback output of 10kHz signal is 0dB relative to that of 315 Hz.

Adjustment location:

—PLAYBACK BOARD—



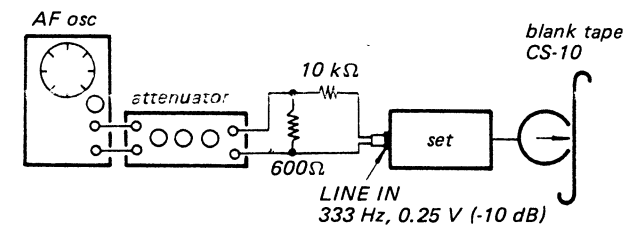
Record Level Adjustment

Setting:

TAPE SELECTOR : AUTO
DOLBY NR : OFF
TEST TAPE : CS-10 (Blank tape)
REC LEVEL : STANDARD RECORD
(See page 19)

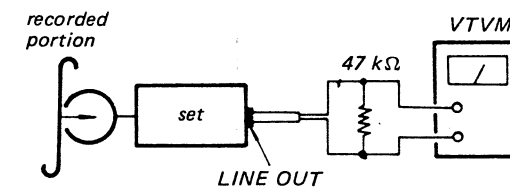
Procedure:

1. Mode: record



Record a 333 Hz signal of 0.25 V (-10 dB).

2. Mode: playback



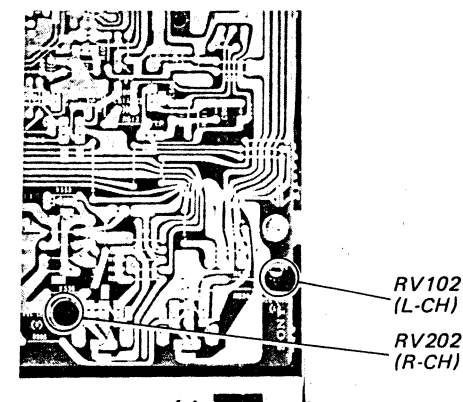
Playback the signal recorded in Step 1.
Adjust RV102 (L-CH) and RV202 (R-CH) for the specification below.

Specification:

LINE OUT level: 0.41 to 0.46 V
(-5.5 to -4.5 dB)

Adjustment Location:

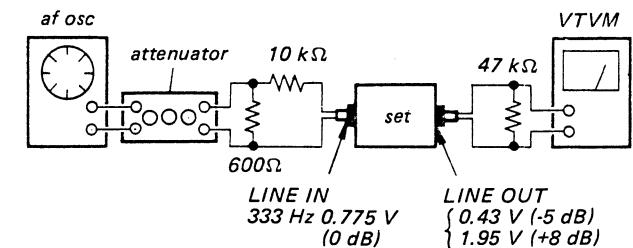
—RECORD BOARD—



Level Meter Calibration

Procedure:

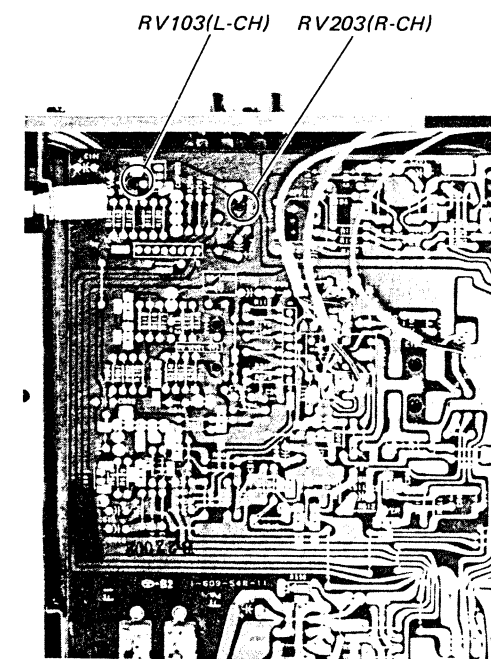
1. Mode: record



2. Set the REC LEVEL control so that the LINE OUT level is 0.43 V (-5 dB) when a 333 Hz signal of 0.775 V (0 dB) is applied to LINE IN.
3. Adjust RV103 (L-CH), RV203 (R-CH) so that the -5 dB indicating LED in the LED meter goes on.
4. Set the REC LEVEL control so that the LINE OUT level is 1.9 V (+8 dB). Make sure that the +8 dB indicating LED in the level meter goes on.

Adjustment Location:

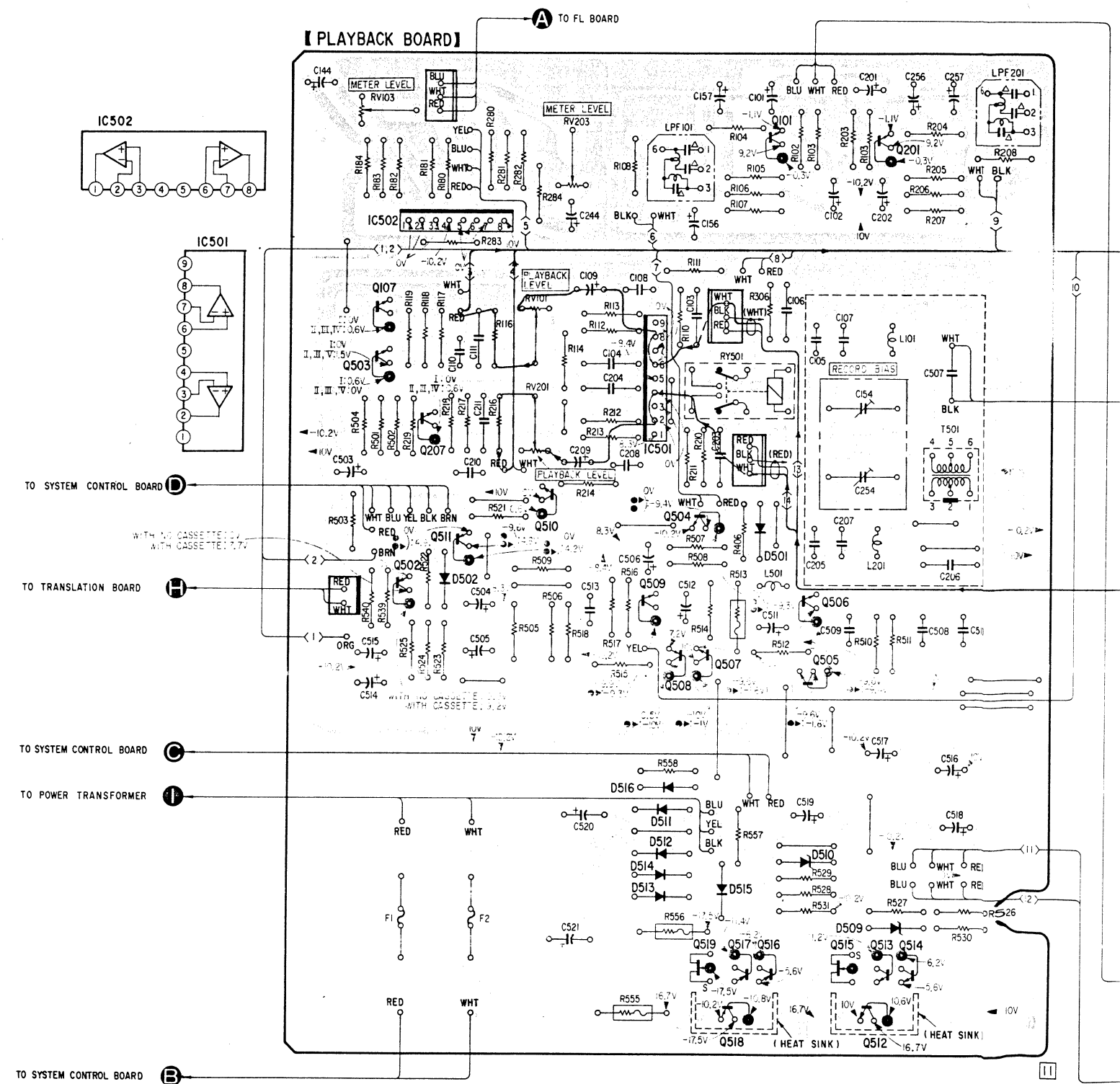
—PLAYBACK BOARD—



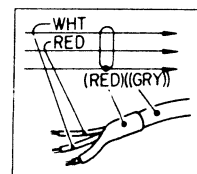
5-1. MOUNTING DIAGRAM

— Audio Section —

| | | | | | | | | | |
|----|-----|-----|-------|-----|-------|-----|-------------|-------------|-----|
| Q | 107 | 207 | IC502 | | IC501 | 504 | 101 | 201 | |
| IC | 503 | | 511 | 510 | 509 | 508 | 507 | 506 | 505 |
| | 502 | | | | | | 519 517 516 | 515 513 514 | |
| | | | | | | | 518 | 512 | |
| D | | 502 | | | 516 | | 501 | | 509 |
| | | | | | 511 | | | | |
| | | | | | 512 | | | | |
| | | | | | 514 | | | | |
| | | | | | 513 | 515 | | 510 | |



- Color code of sleeving over the end of the jacket.



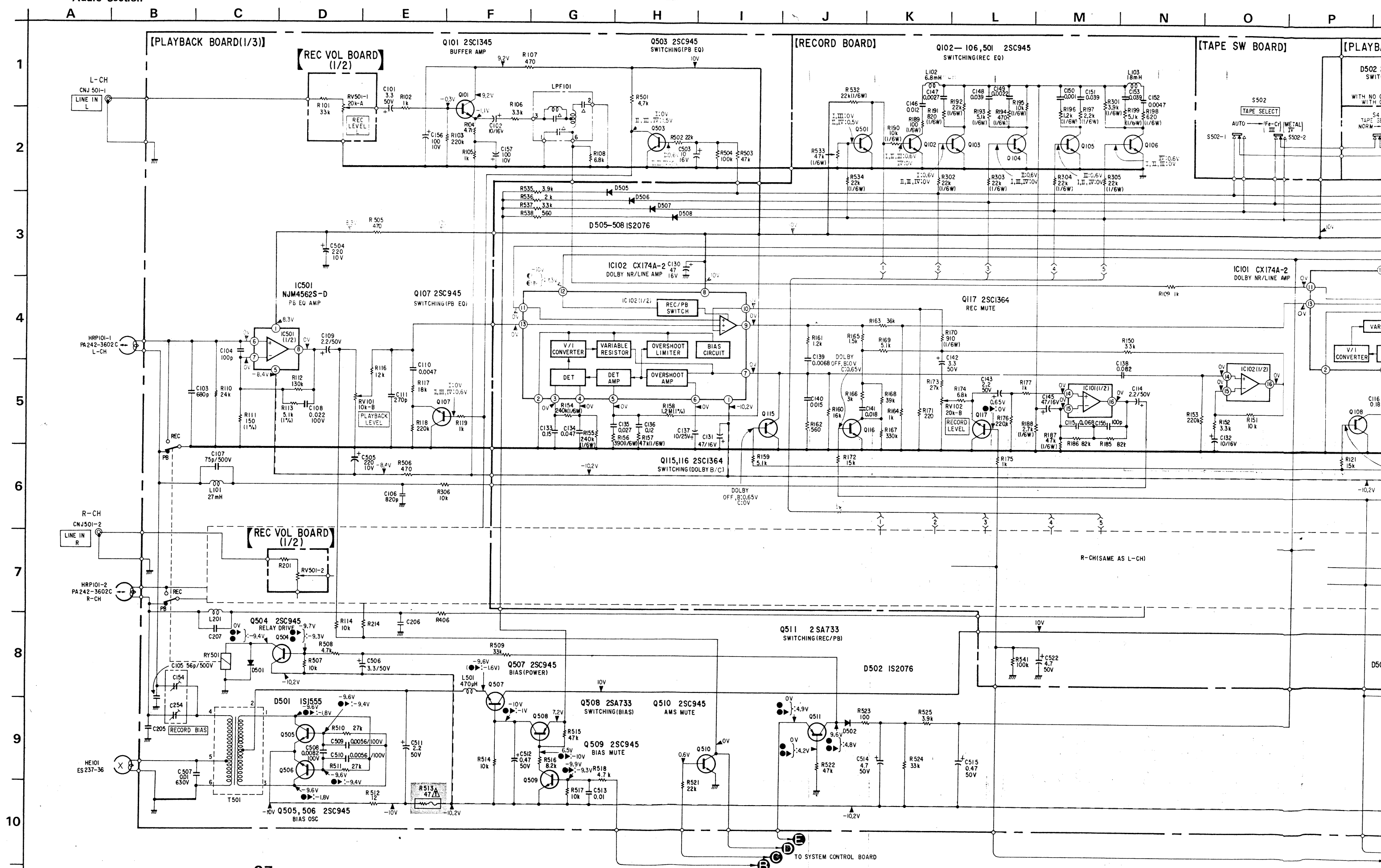
- — : parts extracted from the component side.
- [] — : indicates side identified with part number.
- ▨ : B + pattern
- : signal path
- : L-CH signal path
- · · → : R-CH signal path

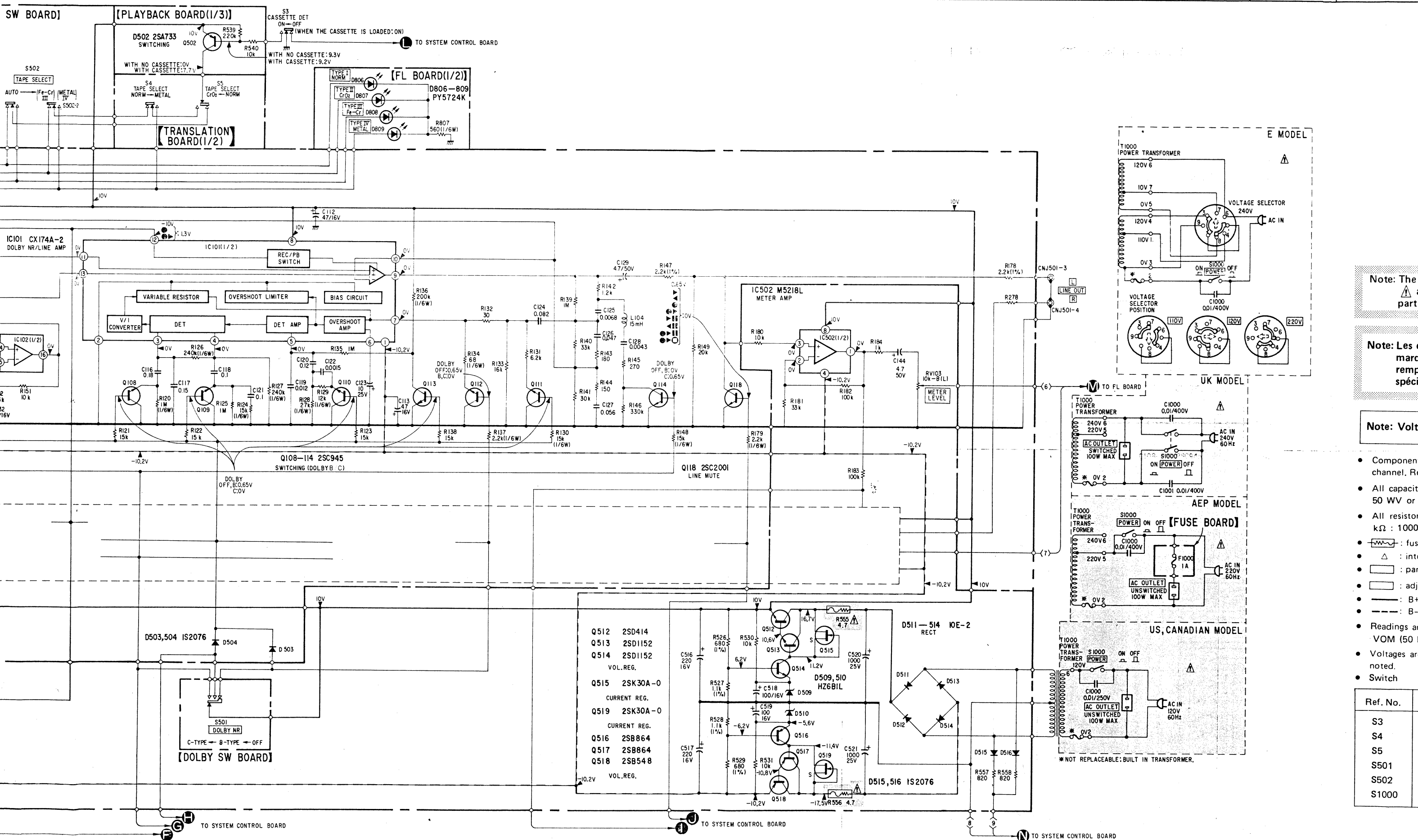
1

5-2. SCHEMATIC DIAGRAM

— Audio Section —

TC-V7 TC-V7





Note: The c
a
part

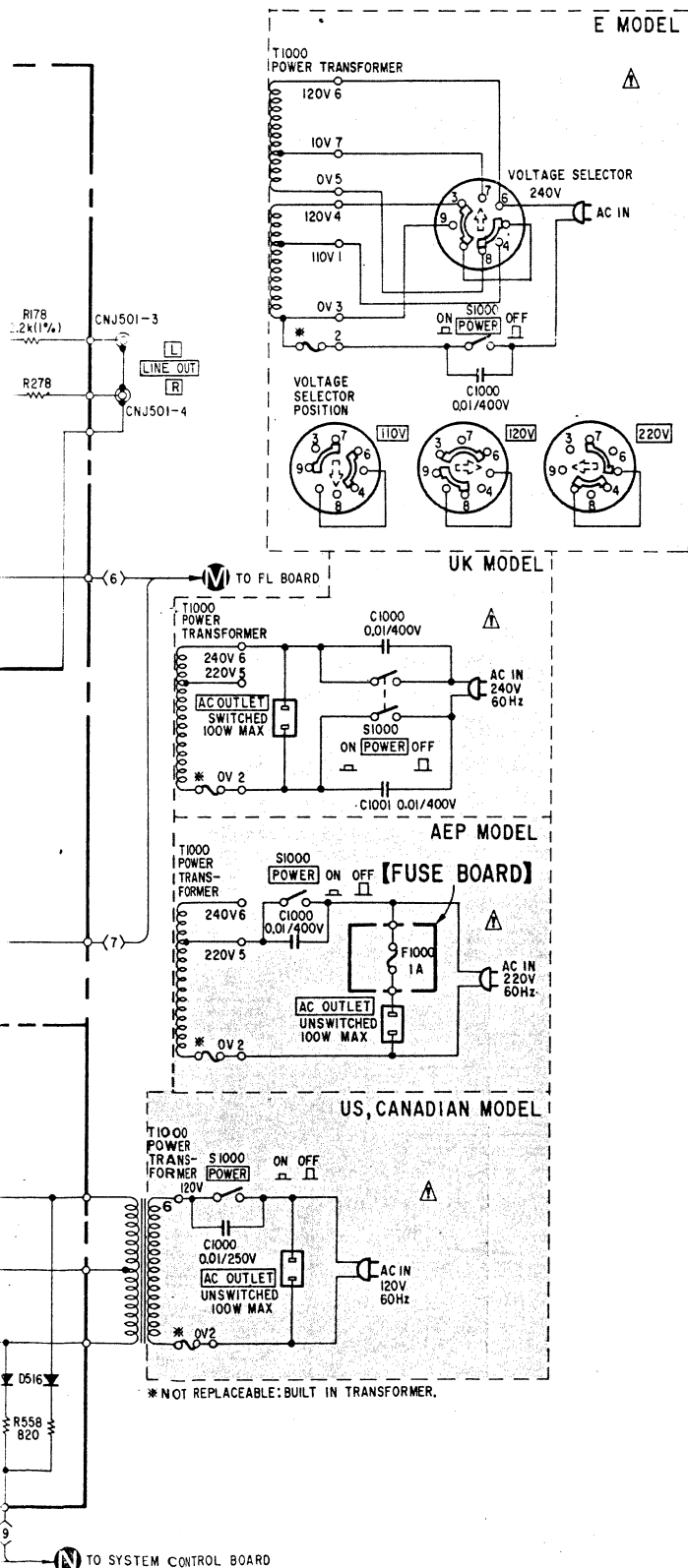
Note: Les c
marq
rempl
spécif


Note: Volta


- Components:
- channel. Re
- All capacito
- 50 WV or l
- All resistors
- kΩ : 1000
- : fusio
- : inter
- : pane
- : adju
- : B+
- : B-
- Readings are
- VOM (50 k
- Voltages are
- noted.
- Switch

| Ref. No. | |
|----------|--|
| S3 | |
| S4 | |
| S5 | |
| S501 | |
| S502 | |
| S1000 | |







A1 B1 C1 D1 E1 F1 G1 H1



Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note: Voltages are measured with a VOM (50k Ω /V).

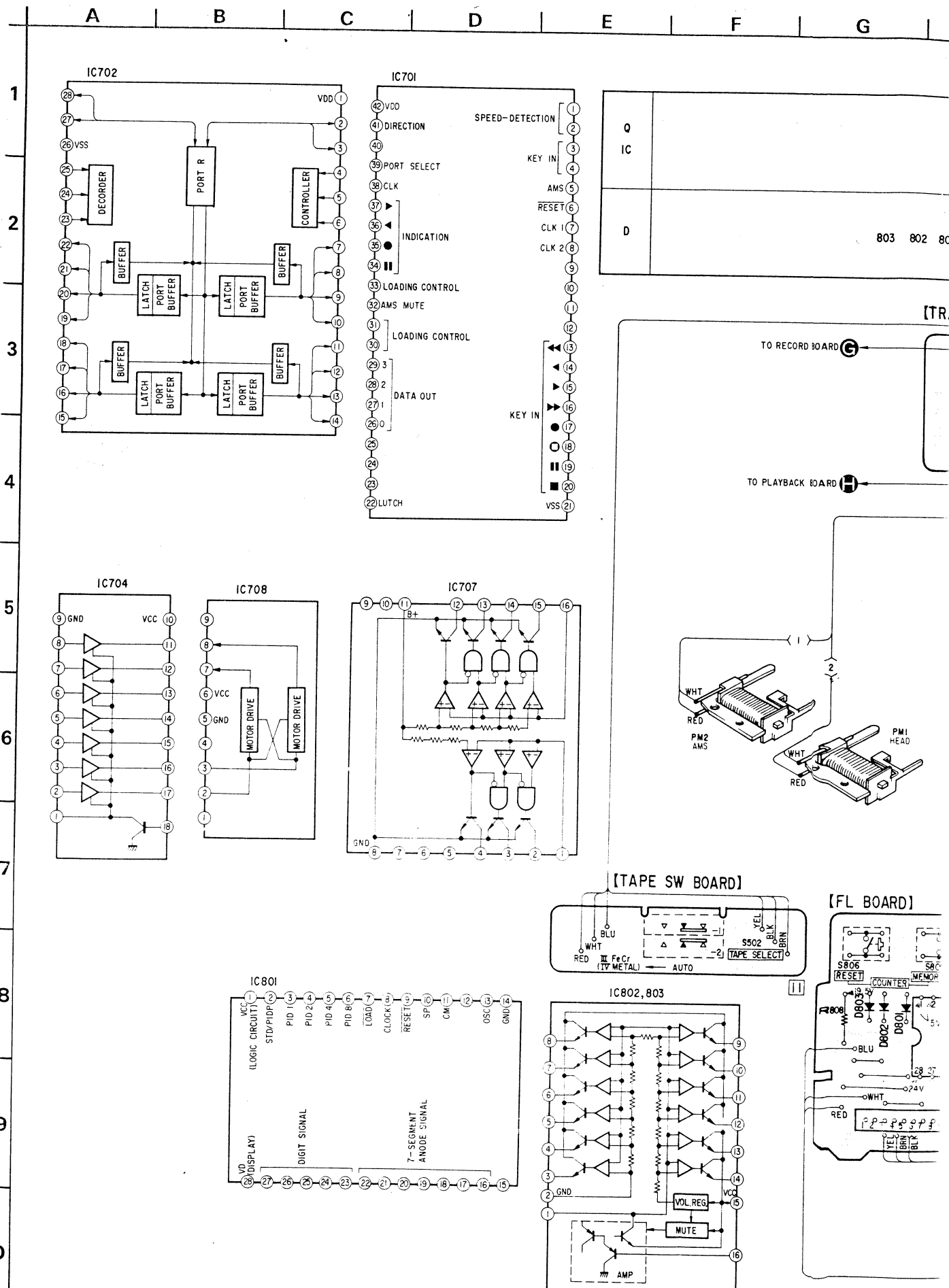
- Components for right channel have same values as for left channel. Reference numbers are coded from
- All capacitors are in μ F unless otherwise noted. pF; μ F 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}$ W unless otherwise noted. k Ω : 1000 Ω , M Ω : 1000 k Ω
-  : fusible resistor.
-  : internal component.
-  : panel designation.
-  : adjustment for repair.
-  : B+ bus.
-  : B- bus.
- Readings are taken under no-signal conditions with a VOM (50 k Ω /V).
- Voltages are dc with respect to ground unless otherwise noted.
- Switch

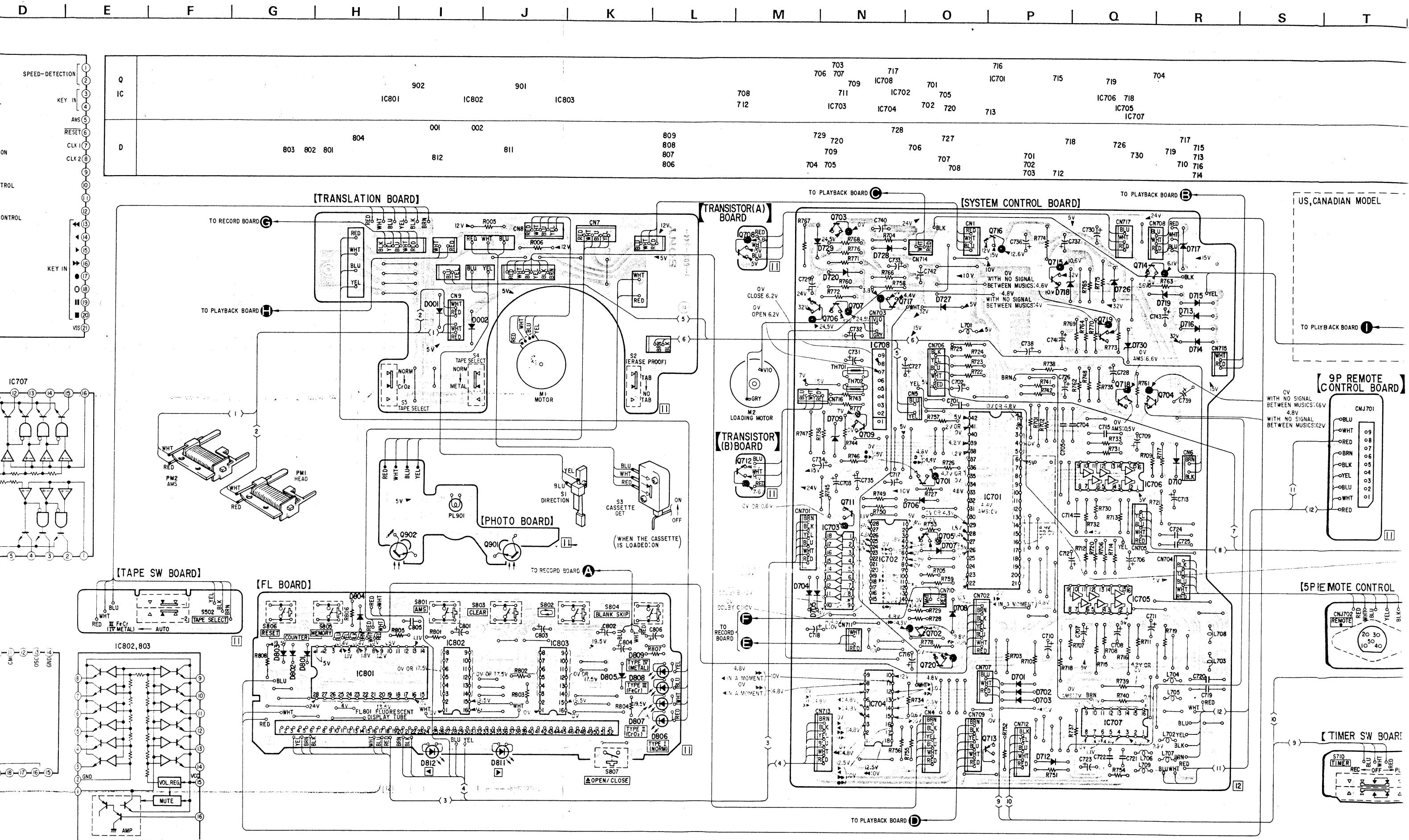
| Ref. No. | Switch | Position |
|----------|--------------|----------|
| S3 | CASSETTE DET | OFF |
| S4 | TAPE SELECT | NORM |
| S5 | TAPE SELECT | NORM |
| S501 | DOLBY NR | OFF |
| S502 | TAPE SELECT | AUTO |
| S1000 | POWER | OFF |

: Signal path

5-3. MOUNTING DIAGRAM

— System Control Section —





Q
IC

723

724

721

722

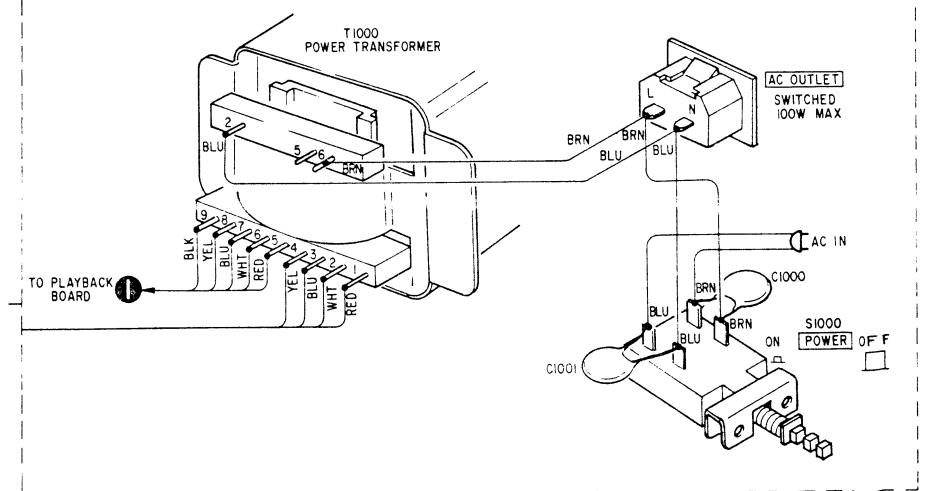
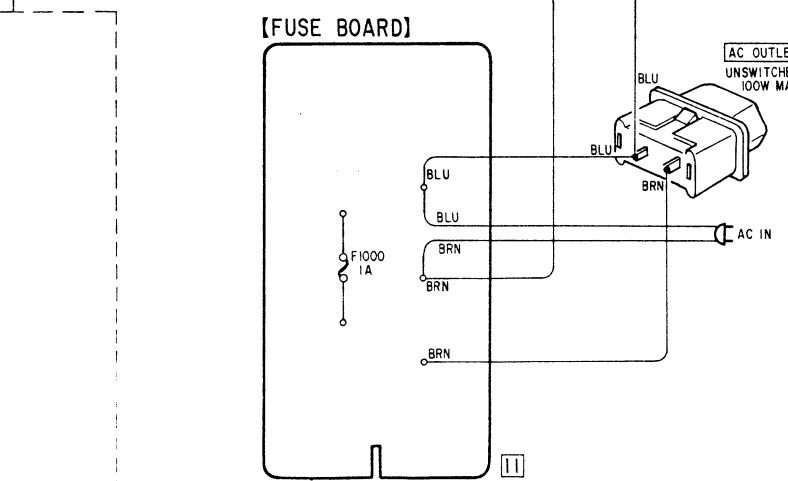
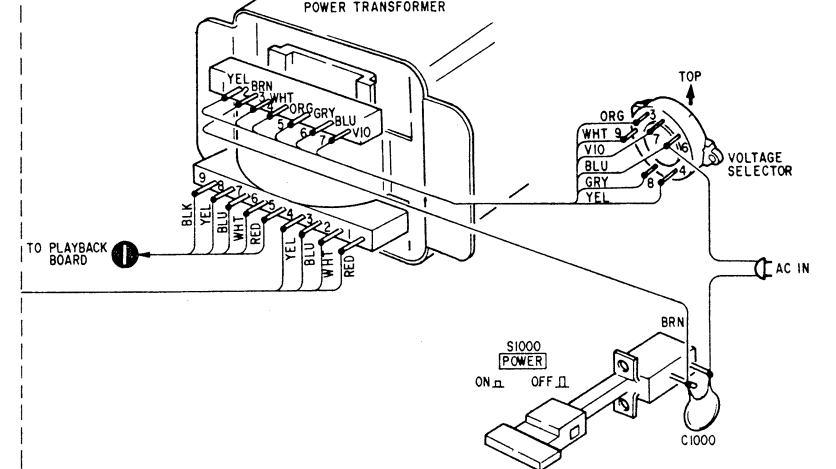
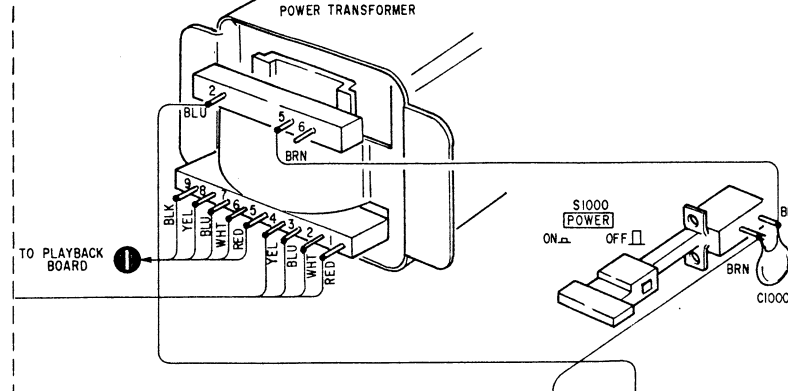
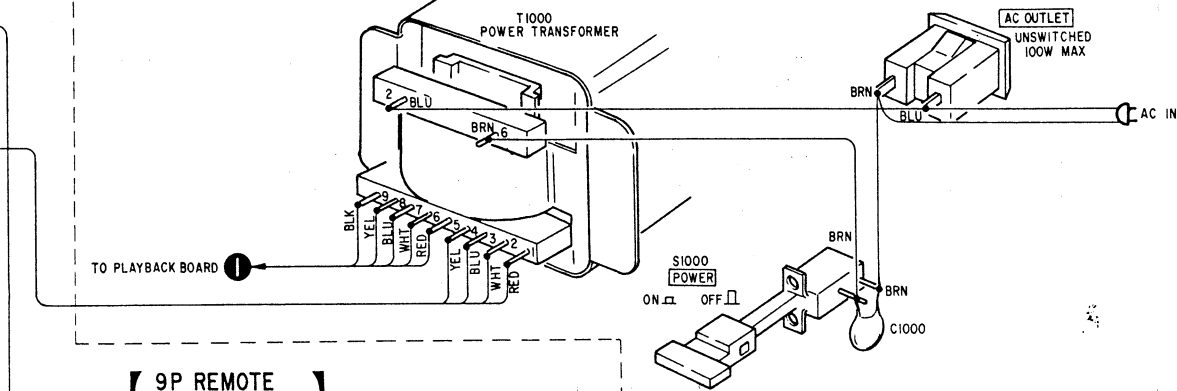
D

US, CANADIAN MODEL

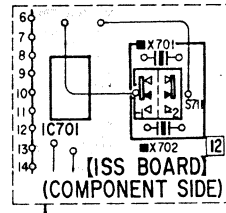
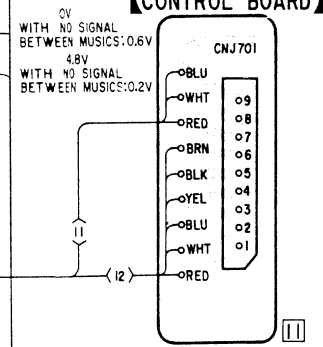
AEP MODEL

E MODEL

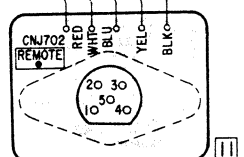
UK MODEL



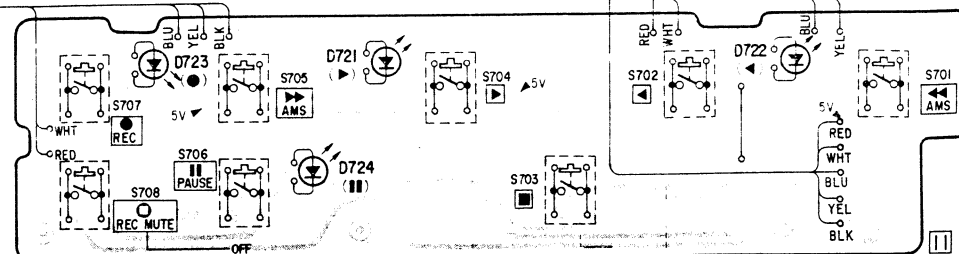
[9P REMOTE CONTROL BOARD]



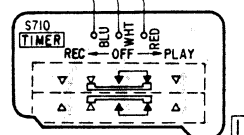
[5P REMOTE CONTROL BOARD]



[CONTROL SW BOARD]

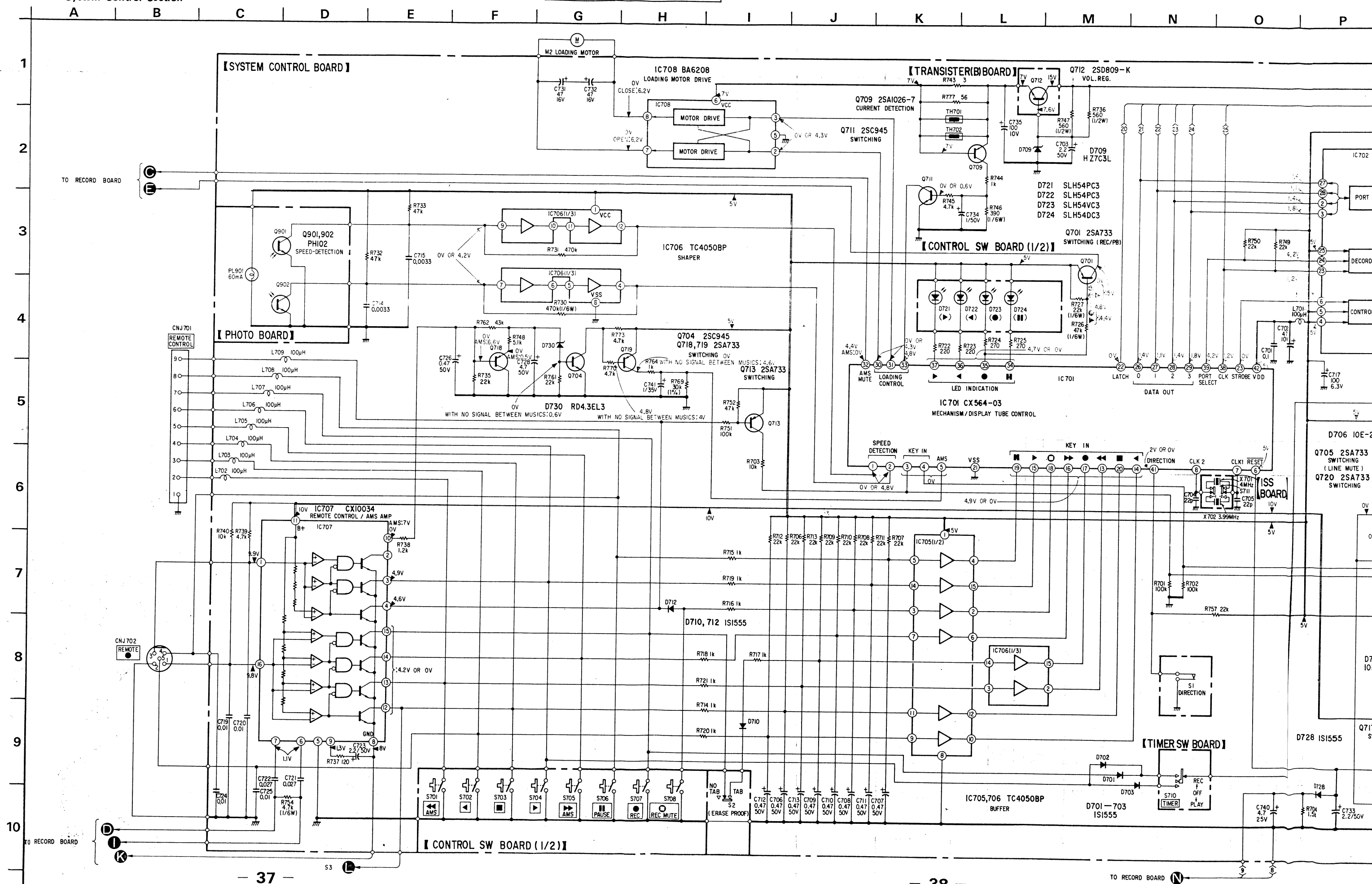


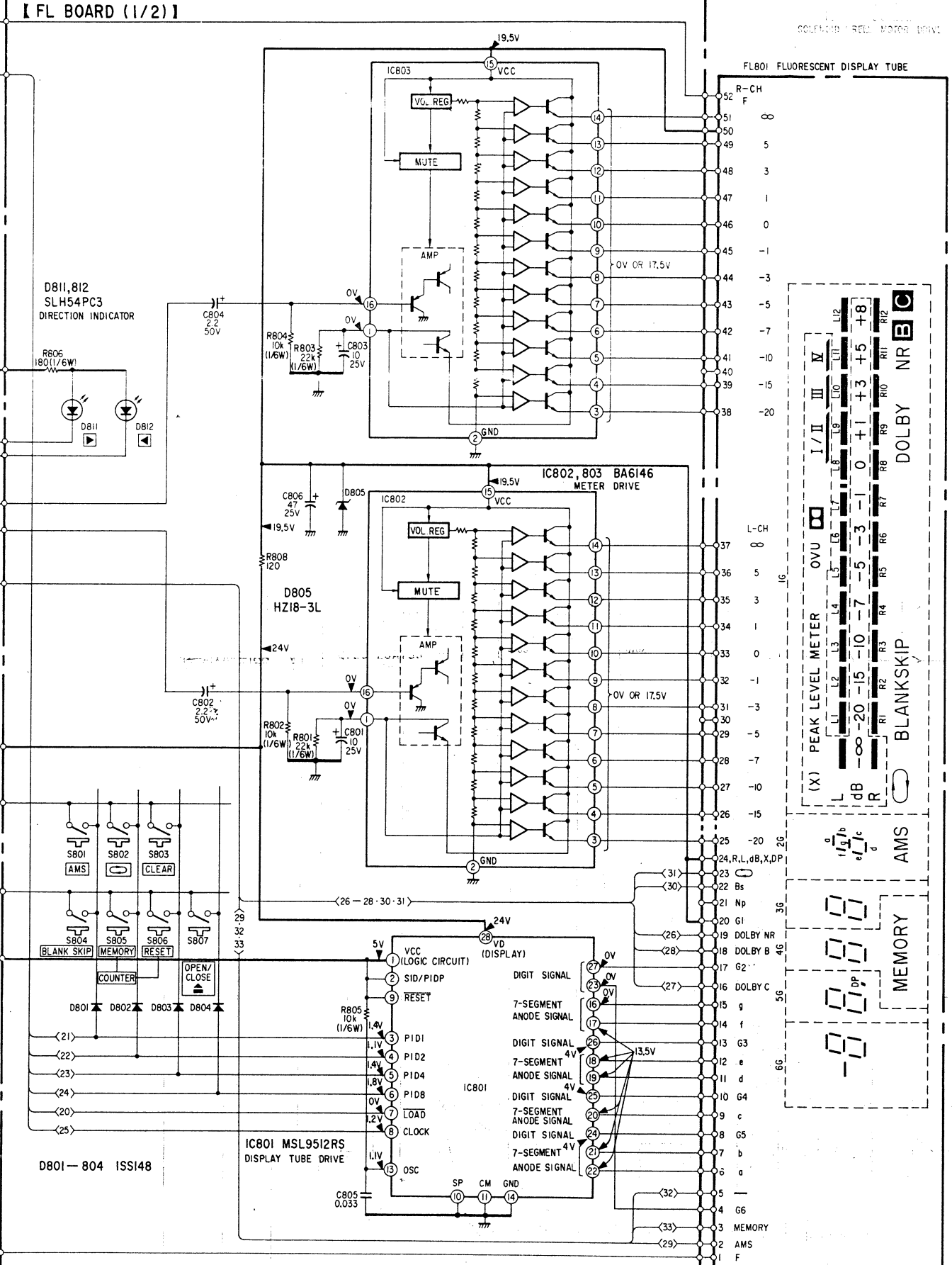
[TIMER SW BOARD]



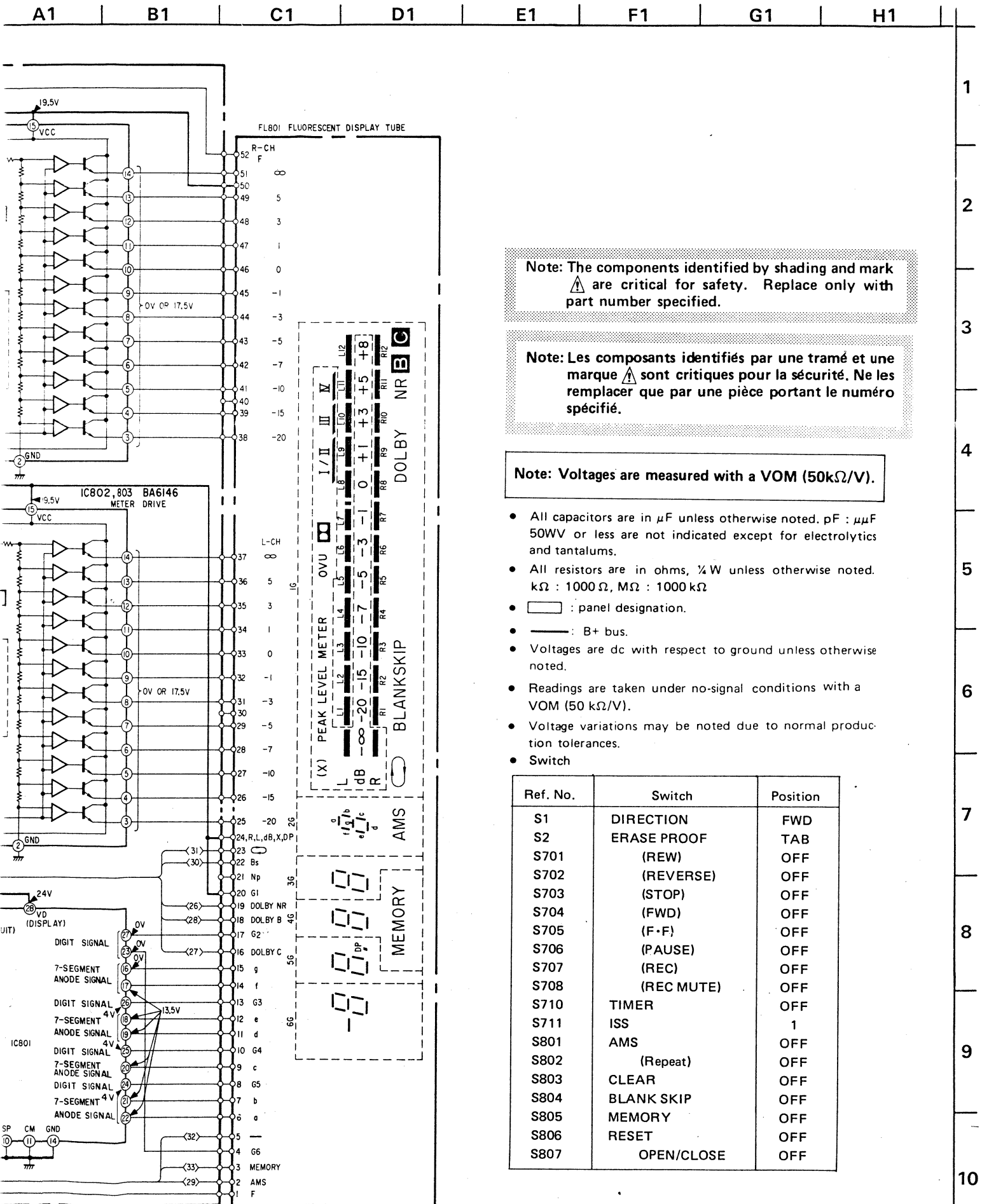
- — : parts extracted from the component side.
- ■ : part mounted on the conductor side.
- ■ : B+ pattern

TC-V7 TC-V7





S1
S2
S70
S70
S70
S70
S70
S70
S70
S70
S71
S71
S80
S80
S80
S80
S80
S80
S80



Note: The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

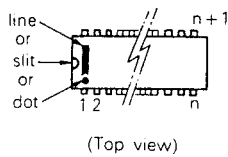
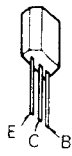
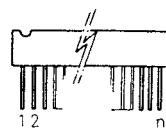
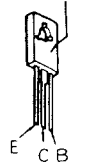
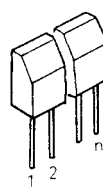
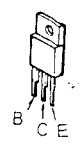
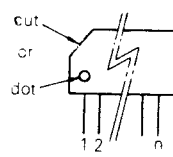
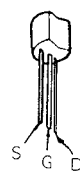
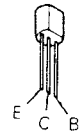
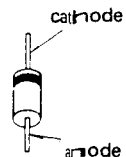
Note: Les composants identifiés par une trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note: Voltages are measured with a VOM (50k Ω /V).

- All capacitors are in μ F unless otherwise noted. pF : μ μ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, $\frac{1}{4}$ W unless otherwise noted. k Ω : 1000 Ω , M Ω : 1000 k Ω
- : panel designation.
- — : B+ bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM (50 k Ω /V).
- Voltage variations may be noted due to normal production tolerances.
- Switch

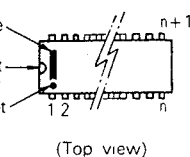
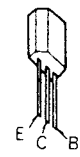
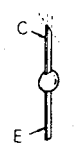
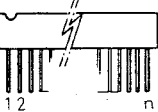
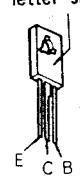
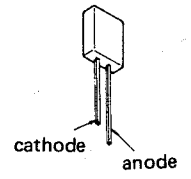
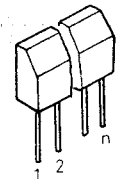
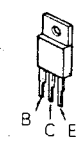
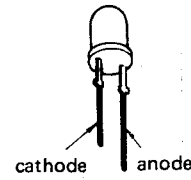
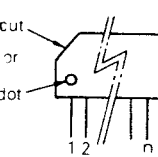

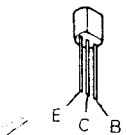
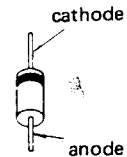
| Ref. No. | Switch | Position |
|----------|-------------|----------|
| S1 | DIRECTION | FWD |
| S2 | ERASE PROOF | TAB |
| S701 | (REW) | OFF |
| S702 | (REVERSE) | OFF |
| S703 | (STOP) | OFF |
| S704 | (FWD) | OFF |
| S705 | (F·F) | OFF |
| S706 | (PAUSE) | OFF |
| S707 | (REC) | OFF |
| S708 | (REC MUTE) | OFF |
| S710 | TIMER | OFF |
| S711 | ISS | 1 |
| S801 | AMS | OFF |
| S802 | (Repeat) | OFF |
| S803 | CLEAR | OFF |
| S804 | BLANK SKIP | OFF |
| S805 | MEMORY | OFF |
| S806 | RESET | OFF |
| S807 | OPEN/CLOSE | OFF |

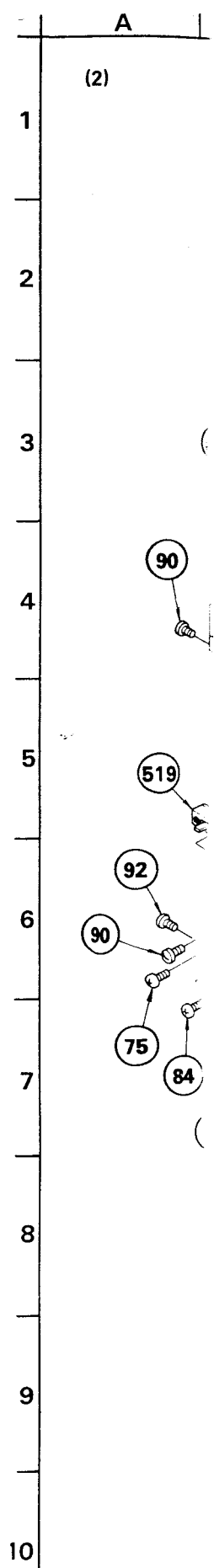
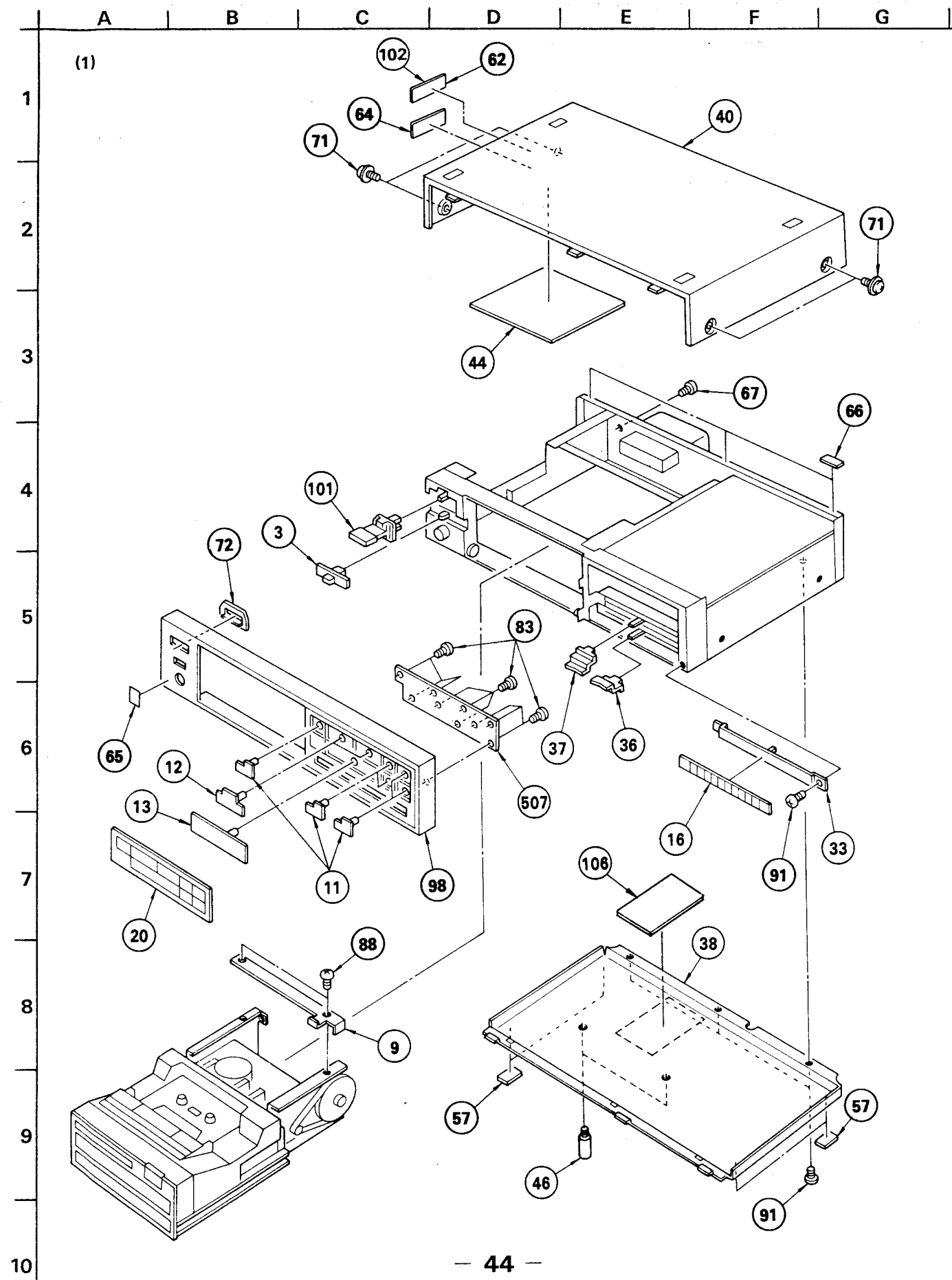
Semiconductor Lead Layouts

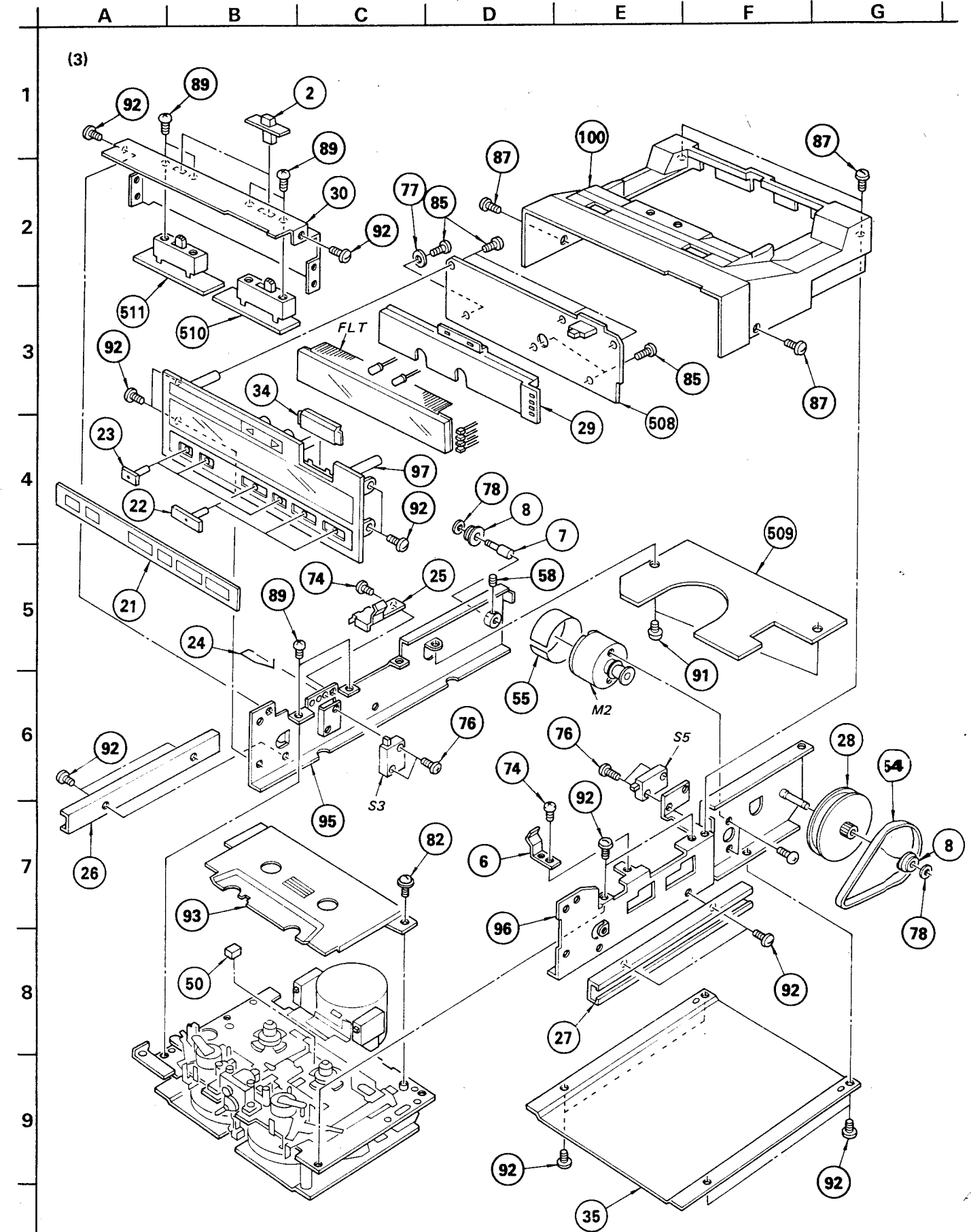
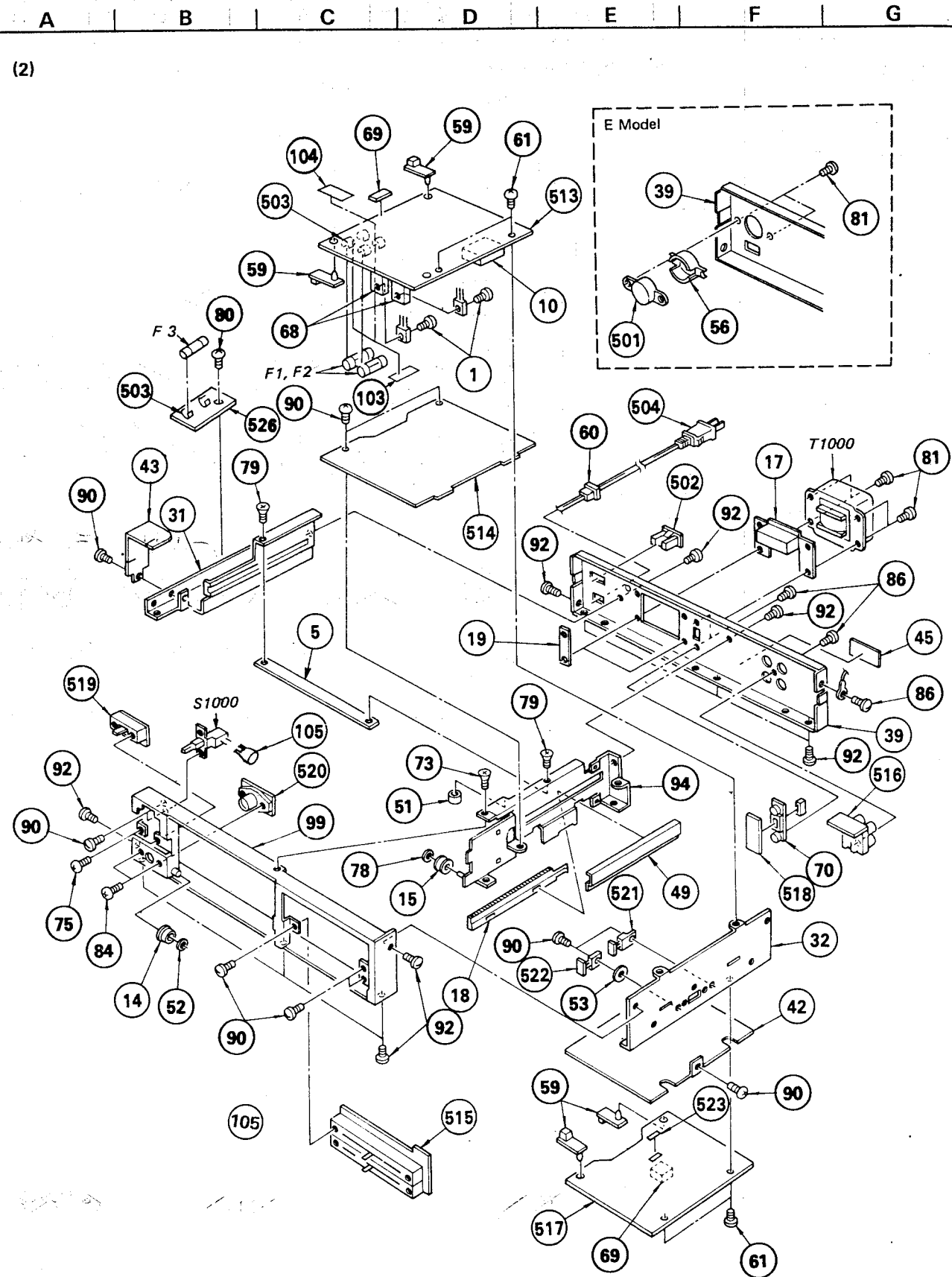
| | | |
|---|--|------------|
| <p>BA6146 CX564-03 CX174A-2 CX10034 LB1262 LB1290 M507835SP MSL9512RS TC4050BP</p>  <p>(Top view)</p> | <p>2SA1026-7</p>  | |
| <p>BA6208</p>  | <p>2SB548 2SD414 2SD809K</p> <p>letter side</p>  | <p>cat</p> |
| <p>M5218L</p>  | <p>2SD1406</p>  | <p>cat</p> |
| <p>NJM4562S-D</p>  | <p>2SK30A-0</p>  | |
| <p>2SA844 2SB864 2SC945 2SC2001-K2 2SC1345 2SC1364 2SC1364-8 2SD1152</p>  | <p>10E2 1S1555 1SS119 1SS148 EQB01-07 HZ11B2L HZ12C3L HZ18-3L HZ24-3L HZ6B1L HZ6C2L HZ9A2L RD4.3E-L3</p>  | |

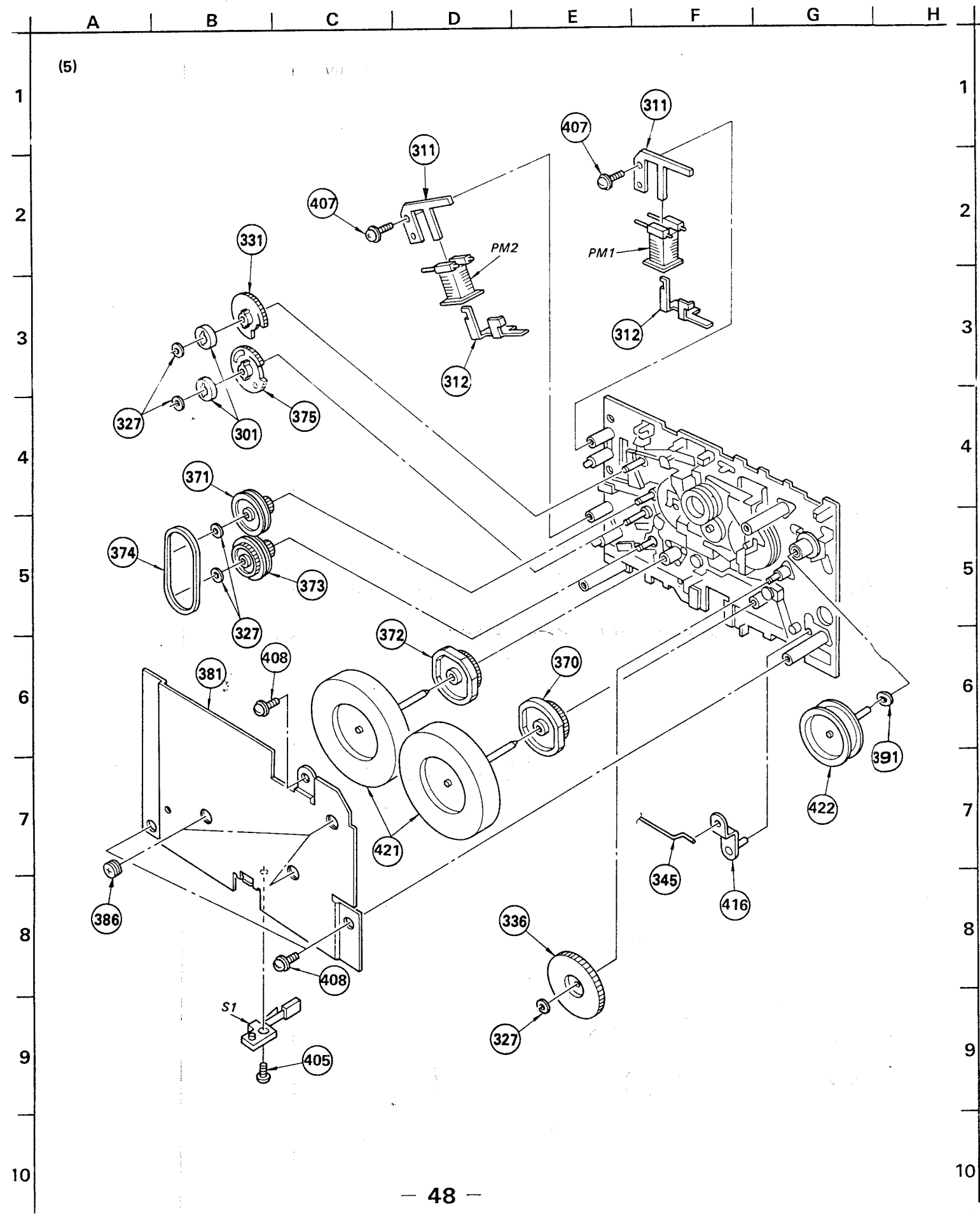
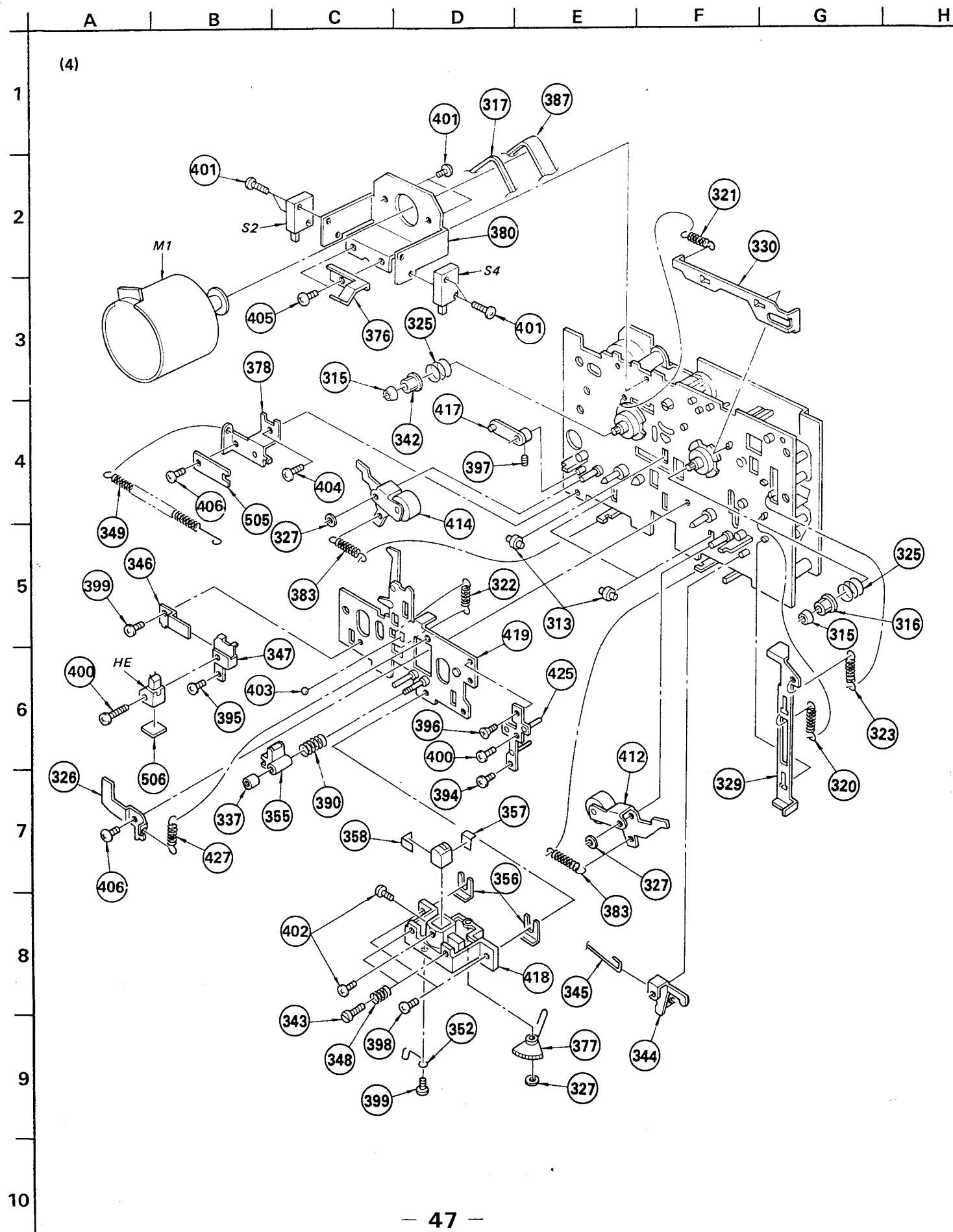
SECTION 6
EXPLODED VIEWS AND PARTS LIST

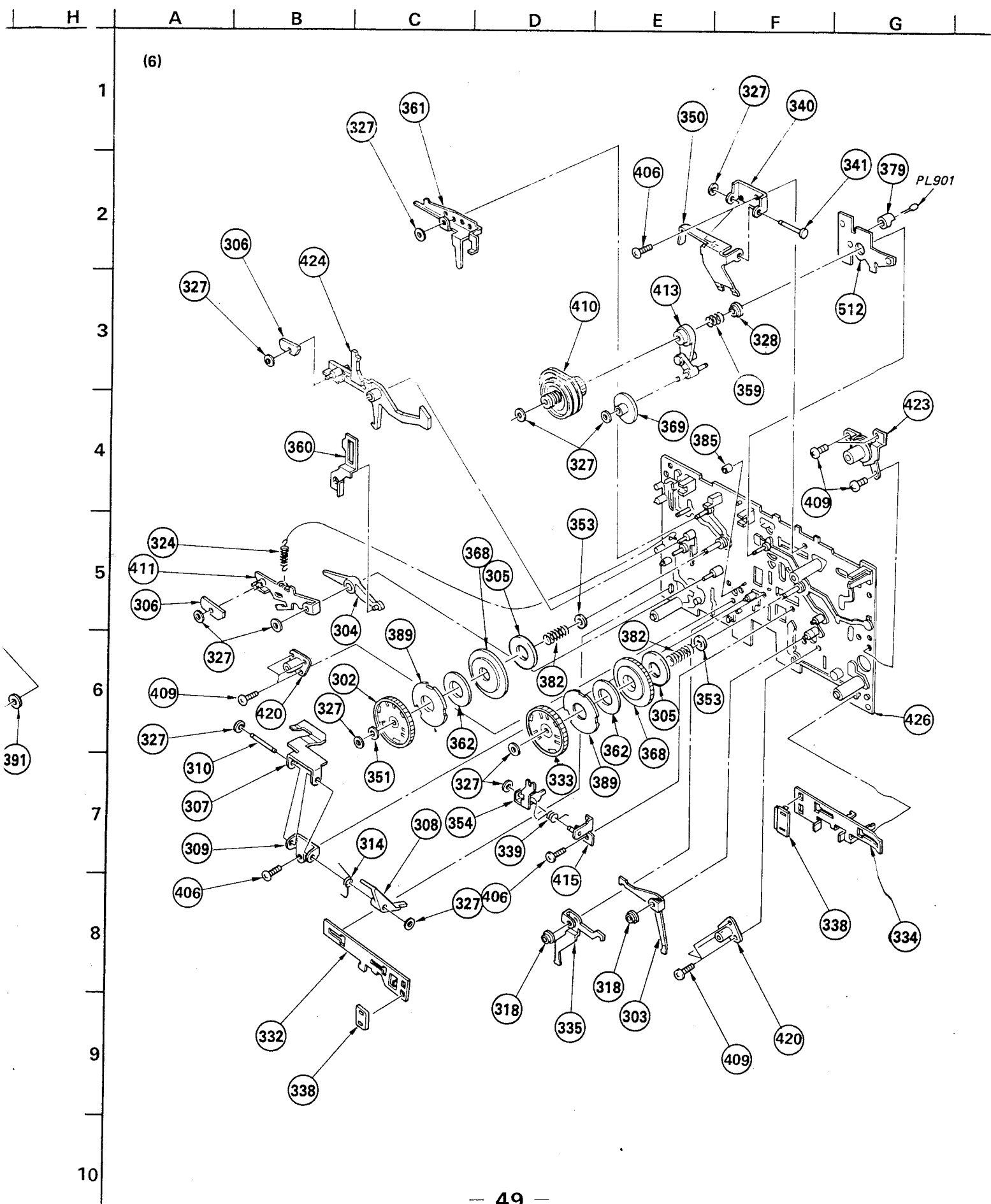
Microconductor Lead Layouts

| | | |
|--|---|---|
| <p>BA6146 CX564-03 CX174A-2 CX10034 LB1262 LB1290 M507835SP MSL9512RS TC4050BP</p>  <p>(Top view)</p> | <p>2SA1026-7</p>  | <p>PH102</p>  |
| <p>BA6208</p>  | <p>2SB548 2SD414 2SD809K</p> <p>letter side</p>  | <p>PY5724K</p>  <p>cathode anode</p> |
| <p>M5218L</p>  | <p>2SD1406</p>  | <p>SLH54DC3 SLH54PC3 SLH54VC3</p>  <p>cathode anode</p> |
| <p>NJM4562S-D</p>  | <p>2SK30A-0</p>  | |
| <p>2SA844 2SB864 2SC945 2SC2001-K2 2SC1345 2SC1364 2SC1364-8 2SD1152</p>  | <p>10E2 1S1555 1SS119 1SS148 EQB01-07 HZ11B2L HZ12C3L HZ18-3L HZ24-3L HZ6B1L HZ6C2L HZ9A2L RD4.3E-L3</p>  <p>cathode anode</p> | |









GENERAL SECTION

| No. | Part No. | Description |
|-----|----------------|-----------------------------|
| 1 | 2-259-121-00 | SCREW, TR |
| 2 | 3-307-538-31 | KNOB, SWITCH, TIMER |
| 3 | 3-307-538-41 | KNOB, SWITCH, TIMER |
| 4 | ..... |  |
| 5 | ♣;3-312-905-00 | JOINT (A) |
| 6 | 3-312-908-00 | RETAINER (RIGHT), HALF |
| 7 | 3-312-909-00 | SHAFT, ROLLER |
| 8 | 3-312-910-00 | ROLLER (B) |
| 9 | ♣;3-312-911-00 | JOINT (B) |
| 10 | ♣;3-312-913-00 | PLATE, SHIELD |
| 11 | ♣;3-312-917-00 | BUTTON, PAUSE |
| 12 | ♣;3-312-918-00 | BUTTON, FWD |
| 13 | ♣;3-312-920-00 | BUTTON, STOP |
| 14 | 3-312-921-00 | ROLLER (F.L) |
| 15 | 3-312-923-00 | ROLLER (F.R) |
| 16 | 3-312-924-00 | PLATE, ORNAMENTAL, CONTROL |
| 17 | ♣;3-312-925-00 | SHEET, INSULATING |
| 18 | 3-312-926-00 | RACK |
| 19 | ♣;3-312-927-00 | NUT, PLATE |
| 20 | 3-312-928-00 | SHEET, FUNCTION |
| 21 | 3-312-929-00 | SHEET, DRAWER |
| 22 | ♣;3-312-930-00 | BUTTON, AMS |
| 23 | ♣;3-312-931-00 | BUTTON, MEMORY |
| 24 | 3-312-932-00 | ARM, DETECTION, HALF |
| 25 | 3-312-933-00 | RETAINER (L), HALF |
| 26 | ♣;3-312-934-00 | RAIL (LEFT) |
| 27 | ♣;3-312-935-00 | RAIL (RIGHT) |
| 28 | 3-312-936-00 | GEAR, LOADING |
| 29 | ♣;3-312-937-00 | HOLDER, FL TUBE |
| 30 | ♣;3-312-941-00 | FRAME, DRAWER |
| 31 | ♣;3-312-942-00 | FRAME (A) |
| 32 | ♣;3-312-943-00 | FRAME (C) |
| 33 | ♣;3-312-945-00 | COVER, CONTROL |
| 34 | 3-312-946-00 | BUTTON, DRAWER |
| 35 | ♣;3-312-947-02 | PLATE, BOTTOM, DRAWER |
| 36 | 3-312-948-00 | KNOB (RIGHT), CONTROL |
| 37 | 3-312-949-00 | KNOB (LEFT), CONTROL |
| 38 | ♣;3-312-950-03 | PLATE, BOTTOM |
| 39 | ♣;3-312-952-12 | (US,Canadian)...PLATE, JACK |
| 39 | 3-312-952-22 | (E).....PLATE, JACK |
| 39 | 3-312-952-32 | (AEP).....PLATE, JACK |
| 39 | 3-312-952-42 | (UK).....PLATE, JACK |
| 40 | 3-312-953-00 | CASE |
| 41 | ..... |  |
| 42 | ♣;3-312-963-00 | INSULATOR |

GENERAL SECTION

| No. | Part No. | Description |
|-----|----------------|-------------------------------------|
| 43 | ♣;3-312-964-00 | INSULATOR, SWITCH |
| 44 | ♣;3-312-965-00 | PLATE, SHIELD, HEAD |
| 45 | 3-312-966-00 | (US,Canadian)...LABEL, MODEL NUMBER |
| 45 | 3-312-967-00 | (E).....LABEL, MODEL NUMBER |
| 45 | 3-312-969-00 | (UK).....LABEL, MODEL NUMBER |
| 45 | 3-312-971-00 | (AEP).....LABEL, MODEL NUMBER |
| 46 | 3-312-974-00 | SCREW, TRANSPORT |
| 47 | ..... |  |
| 48 | ..... |  |
| 49 | 3-312-977-00 | COVER, ROLLER |
| 50 | 3-312-978-00 | SHEET, RUBBER |
| 51 | 3-537-790-11 | SUPPORT, TENSION ARM |
| 52 | 3-558-708-21 | WASHER, STOPPER |
| 53 | 3-572-365-01 | SHEET (A), INSULATING |
| 54 | 3-573-911-21 | BELT, FLAT |
| 55 | 3-575-457-00 | PLATE (B), SHIELD, MOTOR |
| 56 | ♣;3-575-567-00 | (E).....COVER, SWITCH |
| 57 | 3-576-332-11 | FOOT, F |
| 58 | 3-701-505-00 | SET SCREW, DOUBLE POINT 3X3 |
| 59 | ♣;3-701-832-00 | HINGE, CIRCUIT BOARD |
| 60 | 3-703-244-00 | BUSHING, CORD |
| 61 | 3-703-486-00 | +PTTW 3X5 |
| 62 | ♣;3-703-678-00 | (US)..LABEL, CAUTION, NEW UL |
| 64 | ♣;3-703-680-00 | (US)..LABEL, CAUTION, SUB, NEW UL |
| 65 | 3-703-713-01 | STICKER, SONY SYMBOL (10) |
| 66 | 3-831-441-11 | CUSHION, 23X4X0.5 |
| 67 | 4-808-459-81 | SCREW (B), MOTOR LOCK |
| 68 | ♣;4-861-002-11 | HEAT SINK |
| 69 | 4-862-348-00 | CUSHION |
| 70 | 4-864-313-00 | WASHER (9P), CONNECTOR |
| 71 | 4-886-821-11 | SCREW, M3 CASE |
| 72 | 4-886-976-00 | ESCUTCHEON, POWER KNOB |
| 73 | 7-621-559-20 | SCREW +K 2.6X4 |
| 74 | 7-621-775-00 | SCREW +B 2.6X3 |
| 75 | 7-621-775-20 | SCREW +B 2.6X5 |
| 76 | 7-621-775-40 | SCREW +B 2.6X8 |
| 77 | 7-623-911-01 | WASHER, NYLONE |
| 78 | 7-624-102-04 | STOP RING 1.5, TYPE -E |
| 79 | 7-627-452-18 | SCREW, PRECISION +K 2X3 |
| 80 | 7-682-546-04 | SCREW +BVT 3X5 (S) |
| 81 | 7-682-547-09 | SCREW +B 3X6 |
| 82 | 7-685-104-19 | SCREW +P 2X6 TYPE2 NON-SLIT |
| 83 | 7-685-145-11 | SCREW +P 3X6 TYPE2 NON-SLIT |
| 84 | 7-685-534-19 | SCREW +BTP 2.6X8 TYPE2 N-S |

NOTE:

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- Items marked "♣" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF:μF, PF:μμF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F: nonflammable

COILS

- MMH: mH, UH: μH

GENERAL SECTION

| No. | Part No. | Description |
|-----|----------------|--------------------------------------|
| 85 | 7-685-534-24 | SCREW +P 2.6X8 TYPE2 NON-SLIT |
| 86 | 7-685-545-19 | SCREW +BTP 3X6 TYPE2 N-S |
| 87 | 7-685-751-09 | SCREW, TOTSU BTT 3X6 |
| 88 | 7-685-860-04 | SCREW +BVTT 2.6X4 (S) |
| 89 | 7-685-861-01 | SCREW +BVTT 2.6X5 (S) |
| 90 | 7-685-870-01 | SCREW +BVTT 3X5 (S) |
| 91 | 7-685-871-01 | SCREW +BVTT 3X6 (S) |
| 92 | 7-687-711-39 | SCREW, TOTSU BTT 3X5 |
| 93 | X-3312-902-0 | PLATE ASSY, ORNAMENTAL, MD |
| 94 | •;X-3312-904-0 | FRAME (B) ASSY |
| 95 | •;X-3312-905-0 | PLATE (LEFT) ASSY, SIDE, MD |
| 96 | •;X-3312-906-0 | PLATE (RIGHT) ASSY, SIDE, MD |
| 97 | X-3312-907-0 | PANEL ASSY, DRAWER |
| 98 | X-3312-908-0 | PANEL ASSY, FRONT |
| 99 | •;X-3312-909-0 | CHASSIS ASSY, AMPLIFIER |
| 100 | X-3312-910-0 | COVER ASSY, MD |
| 101 | X-4886-805-0 | KNOB (L) ASSY, POWER |
| 102 | 3-703-043-31 | (Canadian).....LABEL, CAUTION |
| 103 | •;3-701-946-30 | (US).....LABEL, FUSE |
| 103 | •;3-701-948-14 | (AEP, UK, E1, E2).....LABEL, CAUTION |
| 104 | 3-703-044-26 | (Canadian).....LABEL, CAUTION |
| 105 | 4-875-455-21 | COVER, CAPACITOR |
| 106 | 9-911-837-XX | SHEET, VIBRATION PROOF |

ACCESSORY & PACKING MATERIAL

| No. | Part No. | Description |
|-----|--------------|---|
| 151 | 1-556-793-31 | CORD, CONNECTION |
| 152 | 3-701-630-00 | BAG, POLYETHYLENE |
| 154 | 3-773-308-11 | (AEP, Canadian, UK, E).....MANUAL INSTRUCTION |
| 155 | 3-773-308-21 | (US).....MANUAL INSTRUCTION |
| 156 | 3-773-308-41 | (AEP).....MANUAL INSTRUCTION |
| 157 | 3-793-828-11 | QUESTIONNAIRE |
| 158 | X-3307-105-0 | ROD ASSY, CLEANING HEAD |
| 159 | 3-312-976-01 | SHEET, PROTECTION, PANEL |

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- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μF, PF: μμF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH : μH

MECHANISM SECTION

| No. | Part No. | Description |
|-----|----------------|---------------------------------|
| 301 | 1-452-202-00 | MAGNET |
| 302 | 3-307-305-02 | GEAR (T), REEL |
| 303 | •;3-307-306-00 | LEVER, SELECT, REVERSE |
| 304 | 3-307-307-00 | LEVER, FWD |
| 305 | 3-307-313-00 | PLATE, YOKE |
| 306 | 3-307-315-00 | ARBOR, MOVABLE |
| 307 | 3-307-319-00 | RETAINER, TAKE-UP GEAR |
| 308 | 3-307-328-00 | LEVER, TAKE-UP SELECTION |
| 309 | •;3-307-329-00 | PLATE, FULCRUM, SELECTION LEVER |
| 310 | 3-307-330-00 | PIN, FULCRUM PLATE |
| 311 | 3-307-332-00 | ARBOR, FIXED |
| 312 | 3-307-333-00 | ARBOR, TRIGGER |
| 313 | 3-307-348-00 | ROLLER |
| 314 | 3-307-355-00 | SPRING |
| 315 | 3-307-362-00 | CAP, REEL |
| 316 | 3-307-363-00 | CLAW (N), REEL |
| 317 | 3-307-366-00 | BELT, FAST FORWARD |
| 318 | 3-307-367-00 | BUSHING, SELECT LEVER |
| 319 | ..... |  |
| 320 | 3-307-373-00 | SPRING, TENSION |
| 321 | 3-307-374-00 | SPRING, TENSION |
| 322 | 3-307-375-00 | SPRING, TENSION |
| 323 | 3-307-377-00 | SPRING, TENSION |
| 324 | 3-307-378-00 | SPRING, TENSION |
| 325 | 3-307-380-00 | SPRING, COMPRESSION |
| 326 | 3-307-391-00 | SPRING |
| 327 | 3-307-394-00 | RETAINER (B), THRUST |
| 328 | 3-307-395-00 | RETAINER, SPRING |
| 329 | 3-307-397-00 | SLIDER, PAUSE |
| 330 | •;3-307-399-00 | SLIDER, MODE |
| 331 | 3-307-401-00 | GEAR, FF CAM |
| 332 | •;3-307-403-00 | SLIDER, FWD |
| 333 | 3-307-412-00 | GEAR, TAKE-UP REEL |
| 334 | •;3-307-420-00 | SLIDER, REVERSE |
| 335 | •;3-307-421-00 | LEVER (R), FWD SELECTION |
| 336 | 3-307-423-00 | GEAR (S), DRIVING |
| 337 | 3-307-435-00 | NUT, ADJUSTMENT, TAPE GUIDE |
| 338 | •;3-307-437-00 | BLOCK, HEAD SELECTION |
| 339 | 3-307-441-00 | SPRING |
| 340 | •;3-307-443-00 | BRACKET, RETAINER, SUPPLY GEAR |
| 341 | •;3-307-445-00 | SHAFT, RETAINER, SUPPLY GEAR |
| 342 | 3-307-447-00 | CLAW (R), REEL |
| 343 | 3-307-448-00 | SCREW, ADJUSTMENT, AZIMUTH |
| 344 | •;3-307-449-00 | LEVER (R), PAUSE |
| 345 | •;3-307-450-00 | ROD, PULL, PAUSE |

MECHANISM SECTION

| No. | Part No. | Description |
|-----|----------------|------------------------------------|
| 346 | 3-307-457-00 | SPRING |
| 347 | 3-307-458-00 | PLATE (L), ADJUSTMENT, HEAD |
| 348 | 3-307-460-00 | SPRING, COMPRESSION |
| 349 | 3-307-461-00 | SPRING, TENSION |
| 350 | •;3-307-464-00 | RETAINER, SUPPLY GEAR |
| 351 | 3-307-465-00 | RETAINER, TAKE-UP |
| 352 | •;3-307-466-00 | CLAMP |
| 353 | •;3-307-467-00 | RETAINER, SPRING |
| 354 | 3-307-469-00 | LEVER, SELECTION, SUPPLY |
| 355 | 3-307-470-00 | GUIDE (L), TAPE |
| 356 | 3-307-477-41 | SEAM (A), HEAD ADJUSTMENT (t=0.05) |
| 356 | 3-307-477-01 | SEAM (A), HEAD ADJUSTMENT (t=0.1) |
| 356 | 3-307-477-11 | SEAM (A), HEAD ADJUSTMENT (t=0.2) |
| 356 | 3-307-477-21 | SEAM (A), HEAD ADJUSTMENT (t=0.3) |
| 356 | 3-307-477-31 | SEAM (A), HEAD ADJUSTMENT (t=0.4) |
| 357 | 3-307-480-00 | SEAM (B), HEAD ADJUSTMENT (t=0.05) |
| 357 | 3-307-479-01 | SEAM (B), HEAD ADJUSTMENT (t=0.1) |
| 357 | 3-307-479-11 | SEAM (B), HEAD ADJUSTMENT (t=0.2) |
| 357 | 3-307-479-21 | SEAM (B), HEAD ADJUSTMENT (t=0.3) |
| 357 | 3-307-479-31 | SEAM (B), HEAD ADJUSTMENT (t=0.4) |
| 358 | 3-307-481-00 | BASE, HEAD |
| 359 | 3-307-486-00 | SPRING, COMPRESSION |
| 360 | 3-307-487-00 | STOPPER, FR |
| 361 | •;3-307-490-00 | LEVER, FF |
| 362 | 3-307-493-01 | SPACER |
| 362 | 3-307-493-11 | SPACER |
| 362 | 3-307-493-21 | SPACER |
| 362 | 3-307-493-31 | SPACER |
| 362 | 3-307-493-41 | SPACER |
| 362 | 3-307-493-51 | SPACER |
| 368 | 3-307-953-00 | MAGNET, REEL TABLE |
| 369 | 3-307-970-00 | GEAR, FR |
| 370 | •;3-312-403-00 | GEAR (S), PINION |
| 371 | 3-312-405-00 | PULLEY, DRIVING |
| 372 | 3-312-406-00 | GEAR (T), PINION |
| 373 | 3-312-408-00 | GEAR (B), CONVERSION |
| 374 | 3-312-409-00 | BELT, DRIVING |
| 375 | 3-312-412-00 | GEAR (B), CAM, FWD |
| 376 | •;3-312-414-00 | RETAINER (B), HALF |
| 377 | 3-312-415-00 | GEAR, ROTARY HEAD |
| 378 | •;3-312-417-00 | HOLDER, PC BOARD, HEAD |
| 379 | 3-312-418-00 | RUBBER, HOLDER, LAMP |
| 380 | •;3-312-422-00 | BRACKET, MOTOR |
| 381 | •;3-312-423-00 | RETAINER (H), THRUST |
| 382 | 3-312-429-00 | SPRING, COMPRESSION |
| 383 | 3-312-432-00 | SPRING, TENSION |
| 384 | | |

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MECHANISM SECTION

| No. | Part No. | Description |
|-----|----------------|---------------------------------|
| 385 | 3-538-051-00 | RUBBER, BRAKE |
| 386 | 3-555-169-00 | SCREW, ADJUSTMENT |
| 387 | 3-558-349-00 | BELT, CAPSTAN |
| 389 | 3-561-827-11 | PLATE (A), HYSTERESIS |
| 390 | 3-644-718-00 | SPRING, COMPRESSION |
| 391 | 3-701-438-11 | WASHER, 2.5 |
| 392 | ..... |  |
| 393 | ..... |  |
| 394 | 3-701-467-00 | SCREW, LOCK |
| 395 | 7-621-255-00 | SCREW +P 2X4 |
| 396 | 7-621-555-30 | SCREW +K 2X5 |
| 397 | 7-621-731-08 | SET SCREW 2X2.5 |
| 398 | 7-621-770-87 | SCREW +P 2.6X5 |
| 399 | 7-621-772-00 | SCREW +B 2X3 |
| 400 | 7-621-772-40 | SCREW +B 2X8 |
| 401 | 7-621-775-40 | SCREW +B 2.6X8 |
| 402 | 7-627-552-07 | SCREW, PRECISION +P 1.7X2.5 |
| 403 | 7-671-111-11 | STEEL BALL 1.5MM |
| 404 | 7-685-750-01 | SCREW +PTT 3X5 (S) |
| 405 | 7-685-790-01 | SCREW +PTT 2.6X4 (S) |
| 406 | 7-685-860-04 | SCREW +BVTT 2.6X4 (S) |
| 407 | 7-687-204-21 | TOTSU PTPWH 2X6 NON-SLIT, TYPE2 |
| 408 | 7-687-246-21 | SCREW, TOTSU PTPWH 3X8, TYPE2 |
| 409 | 7-687-701-39 | SCREW, TOTSU BTT 2.6X4 |
| 410 | A-2142-022-A | PULLEY ASSY, FR |
| 411 | •;X-3307-305-0 | LEVER ASSY, FWD LOCK |
| 412 | X-3307-307-6 | PINCH ROLLER (N) ASSY |
| 413 | X-3307-312-0 | LEVER ASSY, FR |
| 414 | X-3307-316-3 | PINCH ROLLER (R) ASSY |
| 415 | •;X-3307-317-0 | PLATE ASSY, FULCRUM, LEVER |
| 416 | •;X-3307-319-0 | ARM (A) ASSY, PAUSE |
| 417 | 3-312-428-00 | ARM (B), PAUSE |
| 418 | X-3307-321-0 | HOLDER ASSY, HEAD |
| 419 | X-3307-323-0 | CHASSIS (R) ASSY, HEAD |
| 420 | X-3307-338-0 | BEARING ASSY, CAPSTAN |
| 421 | X-3307-339-0 | FLYWHEEL (H) ASSY |
| 422 | X-3307-341-2 | PULLEY ASSY, DUMMY |
| 423 | X-3307-342-0 | BEARING ASSY, DUMMY PULLEY |
| 424 | X-3307-348-0 | LEVER ASSY, FF LOCK |
| 425 | X-3307-920-0 | PLATE ASSY, ADJUSTMENT |
| 426 | X-3307-349-1 | CHASSIS ASSY, MECHANISM |
| 427 | 3-570-914-00 | SPRING, TENSION |

CAPACITORS:

- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μF, PF: μμF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH : μH

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---------|----------------|-----------------------------------|
| 501 | ▲.1-526-576-31 | (E).....SELECTOR, POWER VOLTAGE |
| 502 | ▲.1-526-609-00 | (US).....CONNECTOR, AC OUTLET |
| 502 | ▲.1-526-694-00 | (AEP).....CONNECTOR, AC OUTLET |
| 502 | ▲.1-526-751-00 | (UK).....CONNECTOR, AC OUTLET |
| 502 | ▲.1-526-882-00 | (Canadian)...CONNECTOR, AC OUTLET |
| 503 | ▲.1-533-131-00 | HOLDER, FUSE |
| 504 | ▲.1-551-479-00 | (E).....CORD, POWER |
| 504 | ▲.1-551-628-00 | (US,Canadian)...CORD, POWER |
| 504 | ▲.1-555-990-00 | (AEP).....CORD, POWER |
| 504 | ▲.1-556-560-00 | (UK).....CORD, POWER |
| 505 | ●;1-608-170-00 | PC BOARD, HEAD TRANSLATION |
| 506 | ●;1-608-268-00 | PC BOARD, ERASE HEAD |
| 507 | ●;1-609-542-00 | PC BOARD, CONTROL SW |
| 508 | ●;1-609-543-00 | PC BOARD, FL |
| 509 | ●;1-609-544-00 | PC BOARD, TRANSLATION |
| 510 | ●;1-609-545-00 | PC BOARD, DOLBY SWITCH |
| 511 | ●;1-609-546-00 | PC BOARD, TAPE SWITCH |
| 512 | ●;1-609-547-00 | PC BOARD, PHOTO |
| 513 | ●;1-609-548-00 | PC BOARD, PLAYBACK |
| 514 | ●;1-609-549-00 | PC BOARD, RECORD |
| 515 | ●;1-609-550-00 | PC BOARD, REC VOL |
| 516 | ●;1-609-551-00 | PC BOARD, JACK |
| 517 | ●;1-609-552-00 | PC BOARD, SYSTEM CONTROL |
| 518 | ●;1-609-553-00 | PC BOARD, 9P REMOTE CONTROL |
| 519 | ●;1-609-554-00 | PC BOARD, TIMER SW |
| 520 | ●;1-609-555-00 | PC BOARD, 5P REMOTE CONTROL |
| 521 | ●;1-609-556-00 | PC BOARD, TRANSISTOR (A) |
| 522 | ●;1-609-741-00 | PC BOARD, TRANSISTOR (B) |
| 523 | ●;1-610-222-00 | PC BOARD, ISS |
| 524 | ●;A-2056-194-A | MOUNTED PCB, AUDIO |
| 525 | ●;A-2096-010-A | MOUNTED PCB, FL |
| 526 | ●;1-609-872-00 | (AEP)...PC BOARD, FUSE |
| C101 | 1-123-354-00 | ELECT 3.3MF 20% 50V |
| C102 | 1-123-356-00 | ELECT 10MF 20% 16V |
| C103 | 1-161-321-00 | CERAMIC 680PF 10% 50V |
| C104 | 1-161-271-00 | CERAMIC 100PF 5% 50V |
| C105 | 1-107-165-00 | MICA 56PF 5% 500V |
| C106 | 1-161-322-00 | CERAMIC 820PF 10% 50V |
| C107 | 1-107-167-00 | MICA 75PF 5% 500V |
| C108 | 1-130-305-00 | FILM 0.022MF 5% 100V |
| C109 | 1-123-353-00 | ELECT 2.2MF 20% 50V |
| C110 | 1-108-571-00 | MYLAR 0.0047MF 5% 50V |
| C111 | 1-161-316-00 | CERAMIC 270PF 10% 50V |
| C112 | 1-123-319-00 | ELECT 47MF 20% 16V |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---------|--------------|-----------------------|
| C113 | 1-123-319-00 | ELECT 47MF 20% 16V |
| C114 | 1-123-353-00 | ELECT 2.2MF 20% 50V |
| C115 | 1-130-630-00 | FILM 0.068MF 5% 50V |
| C116 | 1-130-635-00 | FILM 0.18MF 5% 50V |
| C117 | 1-130-634-00 | FILM 0.15MF 5% 50V |
| C118 | 1-130-632-00 | FILM 9.1MF 5% 50V |
| C119 | 1-130-621-00 | FILM 0.012MF 5% 50V |
| C120 | 1-130-633-00 | FILM 0.12MF 5% 50V |
| C121 | 1-130-632-00 | FILM 0.1MF 5% 50V |
| C122 | 1-108-559-00 | MYLAR 0.0015MF 5% 50V |
| C123 | 1-123-355-00 | ELECT 10MF 20% 25V |
| C124 | 1-130-631-00 | FILM 0.082MF 5% 50V |
| C125 | 1-108-575-00 | MYLAR 0.0068MF 5% 50V |
| C126 | 1-130-628-00 | FILM 0.047MF 5% 50V |
| C127 | 1-130-629-00 | FILM 0.056MF 5% 50V |
| C128 | 1-108-570-00 | MYLAR 0.0043MF 5% 50V |
| C129 | 1-123-369-00 | ELECT 4.7MF 20% 50V |
| C130 | 1-123-319-00 | ELECT 47MF 20% 16V |
| C131 | 1-123-319-00 | ELECT 47MF 20% 16V |
| C132 | 1-123-356-00 | ELECT 10MF 20% 16V |
| C133 | 1-130-634-00 | FILM 0.15MF 5% 50V |
| C134 | 1-130-628-00 | FILM 0.047MF 5% 50V |
| C135 | 1-130-625-00 | FILM 0.027MF 5% 50V |
| C136 | 1-130-633-00 | FILM 0.12MF 5% 50V |
| C137 | 1-123-356-00 | ELECT 10MF 20% 25V |
| C138 | 1-130-631-00 | FILM 0.082MF 5% 50V |
| C139 | 1-108-575-00 | MYLAR 0.0068MF 5% 50V |
| C140 | 1-130-622-00 | FILM 0.015MF 5% 50V |
| C141 | 1-130-623-00 | FILM 0.018MF 5% 50V |
| C142 | 1-123-354-00 | ELECT 3.3MF 20% 50V |
| C143 | 1-123-353-00 | ELECT 2.2MF 20% 50V |
| C144 | 1-123-369-00 | ELECT 4.7MF 20% 50V |
| C145 | 1-123-319-00 | ELECT 47MF 20% 16V |
| C146 | 1-130-621-00 | FILM 0.012MF 5% 50V |
| C147 | 1-108-565-00 | MYLAR 0.0027MF 5% 50V |
| C148 | 1-130-627-00 | FILM 0.039MF 5% 50V |
| C149 | 1-108-563-00 | MYLAR 0.0022MF 5% 50V |
| C150 | 1-108-555-00 | MYLAR 0.001MF 5% 50V |
| C151 | 1-130-627-00 | FILM 0.039MF 5% 50V |
| C152 | 1-108-571-00 | MYLAR 0.0047MF 5% 50V |
| C153 | 1-130-627-00 | FILM 0.039MF 5% 50V |
| C154 | 1-141-225-00 | CAP, TUNING, TRIMAR |
| C155 | 1-161-271-00 | CERAMIC 100PF 5% 50V |
| C156 | 1-123-307-00 | ELECT 100MF 20% 10V |
| C157 | 1-123-307-00 | ELECT 100MF 20% 10V |

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "●" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (▲-▲▲▲-▲▲▲-XX or ▲-▲▲▲-▲▲▲-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μ F, PF: μ PF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH : μ H

The component identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|---------------------|----------|-----|------|
| C205 | 1-107-165-00 | MICA | 56PF | 5% | 500V |
| C207 | 1-107-167-00 | MICA | 75PF | 5% | 500V |
| C208 | 1-130-305-00 | FILM | 0.022MF | 5% | 100V |
| C215 | 1-130-630-00 | FILM | 0.068MF | 5% | 50V |
| C217 | 1-130-634-00 | FILM | 0.15MF | 5% | 50V |
| C218 | 1-130-632-00 | FILM | 0.1MF | 5% | 50V |
| C219 | 1-130-621-00 | FILM | 0.012MF | 5% | 50V |
| C221 | 1-130-632-00 | FILM | 0.1MF | 5% | 50V |
| C226 | 1-130-628-00 | FILM | 0.047MF | 5% | 50V |
| C227 | 1-130-629-00 | FILM | 0.056MF | 5% | 50V |
| C233 | 1-130-634-00 | FILM | 0.15MF | 5% | 50V |
| C234 | 1-130-628-00 | FILM | 0.047MF | 5% | 50V |
| C235 | 1-130-625-00 | FILM | 0.027MF | 5% | 50V |
| C241 | 1-130-623-00 | FILM | 0.018MF | 5% | 50V |
| C246 | 1-130-621-00 | FILM | 0.012MF | 5% | 50V |
| C248 | 1-130-627-00 | FILM | 0.039MF | 5% | 50V |
| C251 | 1-130-627-00 | FILM | 0.039MF | 5% | 50V |
| C253 | 1-130-627-00 | FILM | 0.039MF | 5% | 50V |
| C254 | 1-141-225-00 | CAP, TUNING, TRIMAR | | | |
| C503 | 1-123-356-00 | ELECT | 10MF | 20% | 16V |
| C504 | 1-123-308-00 | ELECT | 220MF | 20% | 10V |
| C505 | 1-123-308-00 | ELECT | 220MF | 20% | 10V |
| C506 | 1-123-354-00 | ELECT | 3.3MF | 20% | 50V |
| C507 | 1-129-714-00 | FILM | 0.01MF | 10% | 630V |
| C508 | 1-130-295-00 | FILM | 0.0082MF | 5% | 100V |
| C509 | 1-130-291-00 | FILM | 0.0056MF | 5% | 100V |
| C510 | 1-130-291-00 | FILM | 0.0056MF | 5% | 100V |
| C511 | 1-123-353-00 | ELECT | 2.2MF | 20% | 50V |
| C512 | 1-123-351-00 | ELECT | 0.47MF | 20% | 50V |
| C513 | 1-130-620-00 | FILM | 0.01MF | 5% | 50V |
| C514 | 1-123-369-00 | ELECT | 4.7MF | 20% | 50V |
| C515 | 1-123-351-00 | ELECT | 0.47MF | 20% | 50V |
| C516 | 1-123-321-00 | ELECT | 220MF | 20% | 16V |
| C517 | 1-123-321-00 | ELECT | 220MF | 20% | 16V |
| C518 | 1-123-320-00 | ELECT | 100MF | 20% | 16V |
| C519 | 1-123-320-00 | ELECT | 100MF | 20% | 16V |
| C520 | 1-123-337-00 | ELECT | 1000MF | 20% | 25V |
| C521 | 1-123-337-00 | ELECT | 1000MF | 20% | 25V |
| C522 | 1-123-369-00 | ELECT | 4.7MF | 20% | 50V |
| C701 | 1-130-632-00 | FILM | 0.1MF | 5% | 50V |
| C702 | 1-123-306-00 | ELECT | 47MF | 20% | 10V |
| C703 | 1-123-353-00 | ELECT | 2.2MF | 20% | 50V |
| C704 | 1-161-283-00 | CERAMIC | 22PF | 5% | 50V |
| C705 | 1-161-283-00 | CERAMIC | 22PF | 5% | 50V |
| C706 | 1-123-351-00 | ELECT | 0.47MF | 20% | 50V |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|--|----------|-----|------|
| C707 | 1-123-351-00 | ELECT | 0.47MF | 20% | 50V |
| C708 | 1-123-351-00 | ELECT | 0.47MF | 20% | 50V |
| C709 | 1-123-351-00 | ELECT | 0.47MF | 20% | 50V |
| C710 | 1-123-351-00 | ELECT | 0.47MF | 20% | 50V |
| C711 | 1-123-351-00 | ELECT | 0.47MF | 20% | 50V |
| C712 | 1-123-351-00 | ELECT | 0.47MF | 20% | 50V |
| C713 | 1-123-351-00 | ELECT | 0.47MF | 20% | 50V |
| C714 | 1-161-045-00 | CERAMIC | 0.0033MF | 20% | 50V |
| C715 | 1-161-045-00 | CERAMIC | 0.0033MF | 20% | 50V |
| C716 | 1-123-319-00 | ELECT | 47MF | 20% | 16V |
| C717 | 1-123-295-00 | ELECT | 100MF | 20% | 6.3V |
| C718 | 1-123-333-00 | ELECT | 100MF | 20% | 25V |
| C719 | 1-161-379-00 | CERAMIC | 0.01MF | 20% | 25V |
| C720 | 1-161-379-00 | CERAMIC | 0.01MF | 20% | 25V |
| C721 | 1-130-625-00 | FILM | 0.027MF | 5% | 50V |
| C722 | 1-130-625-00 | FILM | 0.027MF | 5% | 50V |
| C723 | 1-123-353-00 | ELECT | 2.2MF | 20% | 50V |
| C724 | 1-161-379-00 | CERAMIC | 0.01MF | 20% | 25V |
| C725 | 1-161-379-00 | CERAMIC | 0.01MF | 20% | 25V |
| C726 | 1-123-351-00 | ELECT | 0.47MF | 20% | 50V |
| C727 | 1-123-298-00 | ELECT | 470MF | 20% | 6.3V |
| C728 | 1-131-369-00 | TANTALUM | 4.7MF | 20% | 16V |
| C729 | 1-123-353-00 | ELECT | 2.2MF | 20% | 50V |
| C730 | 1-123-296-00 | ELECT | 220MF | 20% | 6.3V |
| C731 | 1-123-319-00 | ELECT | 47MF | 20% | 16V |
| C732 | 1-123-319-00 | ELECT | 47MF | 20% | 16V |
| C733 | 1-123-353-00 | ELECT | 2.2MF | 20% | 50V |
| C734 | 1-123-380-00 | ELECT | 1MF | 20% | 50V |
| C735 | 1-123-307-00 | ELECT | 100MF | 20% | 10V |
| C736 | 1-123-321-00 | ELECT | 220MF | 20% | 16V |
| C737 | 1-123-356-00 | ELECT | 10MF | 20% | 16V |
| C738 | 1-123-349-00 | ELECT | 1000MF | 20% | 35V |
| C739 | 1-123-325-00 | ELECT | 2200MF | 20% | 16V |
| C740 | 1-123-328-00 | ELECT | 4.7MF | 20% | 25V |
| C741 | 1-131-347-00 | TANTALUM | 1MF | 20% | 35V |
| C742 | 1-123-295-00 | ELECT | 100MF | 20% | 6.3V |
| C801 | 1-123-353-00 | ELECT | 2.2MF | 20% | 50V |
| C802 | 1-123-353-00 | ELECT | 2.2MF | 20% | 50V |
| C803 | 1-123-353-00 | ELECT | 2.2MF | 20% | 50V |
| C804 | 1-123-353-00 | ELECT | 2.2MF | 20% | 50V |
| C805 | 1-130-626-00 | FILM | 0.033MF | 5% | 50V |
| C806 | 1-123-332-00 | ELECT | 47MF | 20% | 25V |
| C1000 | 1-161-749-00 | (US,Canadian)..CAP, CERAMIC 10000PF 125V | | | |
| C1000 | 1-161-744-00 | (AEP,UK,E).....CAP, CERAMIC 10000PF 400V | | | |

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- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μ F, PF: μ PF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH : μ H

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---------|---------------|-------------------|
| CNJ501 | 1-507-761-00 | JACK, PIN 4P |
| ●CNJ701 | 1-560-263-00 | CONNECTOR PIN 9P |
| CNJ702 | 1-561-965-00 | SOCKET 5P |
| CNP1 | ●1-560-061-31 | PIN, CONNECTOR 3P |
| CNP2 | ●1-560-062-41 | PIN, CONNECTOR 4P |
| CNP3 | ●1-560-060-41 | PIN, CONNECTOR 2P |
| CNP4 | ●1-560-064-00 | PIN, CONNECTOR 6P |
| CNP5 | ●1-560-060-00 | PIN, CONNECTOR 2P |
| CNP6 | ●1-560-060-00 | PIN, CONNECTOR 2P |
| CNP7 | ●1-560-062-41 | PIN, CONNECTOR 4P |
| CNP8 | ●1-560-062-00 | PIN, CONNECTOR 4P |
| CNP9 | ●1-560-062-31 | PIN, CONNECTOR 4P |
| ●CNP502 | 1-560-062-41 | PIN, CONNECTOR 4P |
| ●CNP503 | 1-560-061-41 | PIN, CONNECTOR 3P |
| ●CNP701 | 1-560-064-21 | PIN, CONNECTOR 6P |
| ●CNP702 | 1-560-064-41 | PIN, CONNECTOR 6P |
| ●CNP703 | 1-560-060-00 | PIN, CONNECTOR 2P |
| ●CNP704 | 1-560-063-00 | PIN, CONNECTOR 5P |
| ●CNP705 | 1-560-062-00 | PIN, CONNECTOR 4P |
| ●CNP706 | 1-560-063-00 | PIN, CONNECTOR 5P |
| ●CNP707 | 1-560-061-41 | PIN, CONNECTOR 3P |
| ●CNP708 | 1-560-061-21 | PIN, CONNECTOR 3P |
| ●CNP709 | 1-560-064-00 | PIN, CONNECTOR 6P |
| ●CNP710 | 1-560-060-31 | PIN, CONNECTOR 2P |
| ●CNP711 | 1-560-060-00 | PIN, CONNECTOR 2P |
| ●CNP712 | 1-560-063-21 | PIN, CONNECTOR 5P |
| ●CNP713 | 1-560-064-31 | PIN, CONNECTOR 6P |
| ●CNP714 | 1-560-060-41 | PIN, CONNECTOR 2P |
| ●CNP715 | 1-560-060-21 | PIN, CONNECTOR 2P |
| ●CNP716 | 1-560-061-00 | PIN, CONNECTOR 3P |
| ●CNP717 | 1-560-061-00 | PIN, CONNECTOR 3P |
| D501 | 8-719-815-55 | DIODE 1S1555 |
| D502 | 8-719-815-55 | DIODE 1S1555 |
| D503 | 8-719-815-55 | DIODE 1S1555 |
| D504 | 8-719-815-55 | DIODE 1S1555 |
| D505 | 8-719-815-55 | DIODE 1S1555 |
| D506 | 8-719-815-55 | DIODE 1S1555 |
| D507 | 8-719-815-55 | DIODE 1S1555 |
| D508 | 8-719-815-55 | DIODE 1S1555 |
| D509 | 8-719-910-64 | DIODE HZ6B1L |
| D510 | 8-719-910-64 | DIODE HZ6B1L |
| D511 | 8-719-200-02 | DIODE 10E-2 |
| D512 | 8-719-200-02 | DIODE 10E-2 |
| D513 | 8-719-200-02 | DIODE 10E-2 |
| D514 | 8-719-200-02 | DIODE 10E-2 |
| D515 | 8-719-815-55 | DIODE 1S1555 |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---------|--------------|----------------------------------|
| D516 | 8-719-815-55 | DIODE 1S1555 |
| D701 | 8-719-815-55 | DIODE 1S1555 |
| D702 | 8-719-815-55 | DIODE 1S1555 |
| D703 | 8-719-815-55 | DIODE 1S1555 |
| D704 | 8-719-815-55 | DIODE 1S1555 |
| D705 | 8-719-815-55 | DIODE 1S1555 |
| D706 | 8-719-200-02 | DIODE 10E-2 |
| D707 | 8-719-815-55 | DIODE 1S1555 |
| D708 | 8-719-815-55 | DIODE 1S1555 |
| D709 | 8-719-990-92 | DIODE HZ9A2L |
| D710 | 8-719-815-55 | DIODE 1S1555 |
| D712 | 8-719-815-55 | DIODE 1S1555 |
| D713 | 8-719-200-02 | DIODE 10E-2 |
| D714 | 8-719-200-02 | DIODE 10E-2 |
| D715 | 8-719-200-02 | DIODE 10E-2 |
| D716 | 8-719-200-02 | DIODE 10E-2 |
| D717 | 8-719-931-07 | DIODE EQB01-07 |
| D718 | 8-719-910-15 | DIODE HZ11R2L |
| D719 | 8-719-910-68 | DIODE HZ6C2L |
| D720 | 8-719-910-43 | DIODE HZ24-3L |
| D721 | 8-719-903-49 | DIODE SLH-54PC3 |
| D722 | 8-719-903-49 | DIODE SLH-54PC3 |
| D723 | 8-719-904-08 | DIODE SLH-54VC3 |
| D724 | 8-719-904-07 | DIODE SLH-54DC3 |
| D726 | 8-719-910-29 | DIODE HZ12C3L |
| D727 | 8-719-200-02 | DIODE 10E-2 |
| D728 | 8-719-815-55 | DIODE 1S1555 |
| D729 | 8-719-815-55 | DIODE 1S1555 |
| D730 | 8-719-101-44 | DIODE RD4.3EL3 |
| D801 | 8-719-911-19 | DIODE 1SS119 |
| D802 | 8-719-911-19 | DIODE 1SS119 |
| D803 | 8-719-911-19 | DIODE 1SS119 |
| D804 | 8-719-911-19 | DIODE 1SS119 |
| D805 | 8-719-910-66 | DIODE HZ6B3L |
| D806 | 8-719-904-14 | DIODE PY5724K |
| D807 | 8-719-904-14 | DIODE PY5724K |
| D808 | 8-719-904-14 | DIODE PY5724K |
| D809 | 8-719-904-14 | DIODE PY5724K |
| D811 | 8-719-903-49 | DIODE SLH-54PC3 |
| D812 | 8-719-903-49 | DIODE SLH-54PC3 |
| F1 | 1-532-536-00 | (US,Canadian)...FUSE, GLASS-TUBE |
| F1 | 1-532-078-00 | (AEP,UK,E).....FUSE, TIME-LAG |
| F2 | 1-532-536-00 | (US,Canadian)...FUSE, GLASS-TUBE |
| F2 | 1-532-078-00 | (AEP,UK,E).....FUSE, TIME-LAG |
| F3 | 1-532-078-00 | (AEP).....FUSE, TIME-LAG |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---------|--------------|-----------------------------|
| FLT | 1-519-284-00 | INDICATOR TUBE, FLUORESCENT |
| HE | 8-825-535-20 | HEAD, ERASE (ES237-36) |
| HRE | 8-825-548-10 | HEAD, R/P (PA242-3602) |
| IC101 | 8-759-300-76 | IC CX-174A-2 |
| IC102 | 8-759-300-76 | IC CX-174A-2 |
| IC201 | 8-759-300-76 | IC CX-174A-2 |
| IC202 | 8-759-300-76 | IC CX-174A-2 |
| IC501 | 8-759-700-39 | IC NJM4562S-D |
| IC502 | 8-759-600-02 | IC M5218L |
| IC701 | 8-755-640-30 | IC CX564-03 |
| IC702 | 8-759-600-54 | IC M50783SP |
| IC703 | 8-759-812-90 | IC LB1290 |
| IC704 | 8-759-800-57 | IC LB1262 |
| IC705 | 8-759-240-50 | IC TC4050BP |
| IC706 | 8-759-240-50 | IC TC4050BP |
| IC707 | 8-759-700-46 | IC CX10034 |
| IC708 | 8-759-962-08 | IC BA6208 |
| IC801 | 8-759-905-48 | IC MSL9512RS |
| IC802 | 8-759-906-02 | IC BA6146 |
| IC803 | 8-759-906-02 | IC BA6146 |
| L101 | 1-408-262-00 | MICRO INDUCTOR 27MMH |
| L102 | 1-408-255-00 | MICRO INDUCTOR 6.8MMH |
| L103 | 1-408-260-00 | MICRO INDUCTOR 18MMH |
| L104 | 1-408-259-00 | MICRO INDUCTOR 15MMH |
| L201 | 1-408-262-00 | MICRO INDUCTOR 27MMH |
| L202 | 1-408-255-00 | MICRO INDUCTOR 6.8MMH |
| L203 | 1-408-260-00 | MICRO INDUCTOR 18MMH |
| L204 | 1-408-259-00 | MICRO INDUCTOR 15MMH |
| L501 | 1-407-177-XX | MICRO INDUCTOR 470UH |
| L701 | 1-407-169-XX | MICRO INDUCTOR 100UH |
| L702 | 1-407-169-XX | MICRO INDUCTOR 100UH |
| L703 | 1-407-169-XX | MICRO INDUCTOR 100UH |
| L704 | 1-407-169-XX | MICRO INDUCTOR 100UH |
| L705 | 1-407-169-XX | MICRO INDUCTOR 100UH |
| L706 | 1-407-169-XX | MICRO INDUCTOR 100UH |
| L707 | 1-407-169-XX | MICRO INDUCTOR 100UH |
| L708 | 1-407-169-XX | MICRO INDUCTOR 100UH |
| L709 | 1-407-169-XX | MICRO INDUCTOR 100UH |
| LPF101 | 1-231-388-00 | FILTER, LOWPASS |
| LPF201 | 1-231-388-00 | FILTER, LOWPASS |
| M1 | X-3307-340-0 | MOTOR (H) ASSY |
| M2 | X-3312-903-0 | MOTOR (L) ASSY |
| PL901 | 1-518-259-00 | LAMP, PILOT |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---------|--------------|-----------------------|
| PM1 | 1-454-316-00 | SOLENOID, PLUNGER |
| PM2 | 1-454-316-00 | SOLENOID, PLUNGER |
| Q101 | 8-729-334-58 | TRANSISTOR 2SC1345 |
| Q102 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q103 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q104 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q105 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q106 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q107 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q108 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q109 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q110 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q111 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q112 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q113 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q114 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q115 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q116 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q117 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q118 | 8-729-100-13 | TRANSISTOR 2SC2001-K2 |
| Q201 | 8-729-334-58 | TRANSISTOR 2SC1345-E |
| Q202 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q203 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q204 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q205 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q206 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q207 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q208 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q209 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q210 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q211 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q212 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q213 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q214 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q215 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q216 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q217 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q218 | 8-729-100-13 | TRANSISTOR 2SC2001-K2 |
| Q501 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q502 | 8-729-602-67 | TRANSISTOR 2SA1026-7 |
| Q503 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q504 | 8-729-663-48 | TRANSISTOR 2SC1364-8 |
| Q505 | 8-729-663-47 | TRANSISTOR 2SC1364 |
| Q506 | 8-729-663-47 | TRANSISTOR 2SC1364 |

NOTE:

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- Items marked "●" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (△-△△△-△△△-XX or △-△△△△-△△△-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF:μF, PF:pμF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F: nonflammable

COILS

- MMH: mH, UH: μH

NOTE:

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- Due to standardization, parts with part numbers (△-△△△-△△△-XX or △-△△△△-△△△-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μF. Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF:μF, PF:pμF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F: nonflammable

COILS

- MMH: mH, UH: μH

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|----------------------|------|----|------|
| Q507 | 8-729-663-48 | TRANSISTOR 2SC1364-8 | | | |
| Q508 | 8-729-602-67 | TRANSISTOR 2SA1026-7 | | | |
| Q509 | 8-729-663-48 | TRANSISTOR 2SC1364-8 | | | |
| Q510 | 8-729-663-48 | TRANSISTOR 2SC1364-8 | | | |
| Q511 | 8-729-602-67 | TRANSISTOR 2SA1026-7 | | | |
| Q512 | 8-729-141-42 | TRANSISTOR 2SD414 | | | |
| Q513 | 8-729-315-22 | TRANSISTOR 2SD1152 | | | |
| Q514 | 8-729-315-22 | TRANSISTOR 2SD1152 | | | |
| Q515 | 8-729-203-02 | TRANSISTOR 2SK30A-0 | | | |
| Q516 | 8-729-384-48 | TRANSISTOR 2SA844 | | | |
| Q517 | 8-729-384-48 | TRANSISTOR 2SA844 | | | |
| Q518 | 8-729-154-83 | TRANSISTOR 2SB548 | | | |
| Q519 | 8-729-203-02 | TRANSISTOR 2SK30A-0 | | | |
| Q701 | 8-729-602-67 | TRANSISTOR 2SA1026-7 | | | |
| Q702 | 8-729-602-67 | TRANSISTOR 2SA1026-7 | | | |
| Q703 | 8-729-663-47 | TRANSISTOR 2SC1364 | | | |
| Q704 | 8-729-663-47 | TRANSISTOR 2SC1364 | | | |
| Q705 | 8-729-502-67 | TRANSISTOR 2SA1026-7 | | | |
| Q706 | 8-729-177-43 | TRANSISTOR 2SD774 | | | |
| Q707 | 8-729-663-47 | TRANSISTOR 2SC1364 | | | |
| Q708 | 8-729-201-78 | TRANSISTOR 2SD1406 | | | |
| Q709 | 8-729-602-67 | TRANSISTOR 2SA1026-7 | | | |
| Q711 | 8-729-663-47 | TRANSISTOR 2SC1364 | | | |
| Q712 | 8-729-180-92 | TRANSISTOR 2SD809-K | | | |
| Q713 | 8-729-602-67 | TRANSISTOR 2SA1026-7 | | | |
| Q714 | 8-729-663-47 | TRANSISTOR 2SC1364 | | | |
| Q715 | 8-729-663-47 | TRANSISTOR 2SC1364 | | | |
| Q717 | 8-729-602-67 | TRANSISTOR 2SA1026-7 | | | |
| Q718 | 8-729-602-67 | TRANSISTOR 2SA1026-7 | | | |
| Q719 | 8-729-602-67 | TRANSISTOR 2SA1026-7 | | | |
| Q720 | 8-729-602-67 | TRANSISTOR 2SA1026-7 | | | |
| Q901 | 8-729-110-21 | TRANSISTOR PH102-K | | | |
| Q902 | 8-729-110-21 | TRANSISTOR PH102-K | | | |
| R005 | 1-246-489-00 | CARBON | 4.7K | 5% | 1/4W |
| R006 | 1-246-489-00 | CARBON | 4.7K | 5% | 1/4W |
| R101 | 1-246-509-00 | CARBON | 33K | 5% | 1/4W |
| R102 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R103 | 1-246-529-00 | CARBON | 220K | 5% | 1/4W |
| R104 | 1-246-489-00 | CARBON | 4.7K | 5% | 1/4W |
| R105 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R106 | 1-246-485-00 | CARBON | 3.3K | 5% | 1/4W |
| R107 | 1-246-465-00 | CARBON | 470 | 5% | 1/4W |
| R108 | 1-246-493-00 | CARBON | 6.8K | 5% | 1/4W |
| R109 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R110 | 1-246-506-00 | CARBON | 24K | 5% | 1/4W |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|-------------|------|----|------|
| R111 | 1-214-705-00 | METAL | 150 | 1% | 1/4W |
| R112 | 1-246-524-00 | CARBON | 130K | 5% | 1/4W |
| R113 | 1-214-746-00 | METAL | 5.1K | 1% | 1/4W |
| R114 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W |
| R116 | 1-246-499-00 | CARBON | 12K | 5% | 1/4W |
| R117 | 1-246-503-00 | CARBON | 18K | 5% | 1/4W |
| R118 | 1-246-529-00 | CARBON | 220K | 5% | 1/4W |
| R119 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R120 | 1-247-903-00 | CARBON | 1M | 5% | 1/6W |
| R121 | 1-246-501-00 | CARBON | 15K | 5% | 1/4W |
| R122 | 1-246-501-00 | CARBON | 15K | 5% | 1/4W |
| R123 | 1-246-501-00 | CARBON | 15K | 5% | 1/4W |
| R124 | 1-247-859-00 | CARBON | 15K | 5% | 1/6W |
| R125 | 1-246-545-00 | CARBON | 1M | 5% | 1/4W |
| R126 | 1-247-888-00 | CARBON | 240K | 5% | 1/6W |
| R127 | 1-247-888-00 | CARBON | 240K | 5% | 1/6W |
| R128 | 1-247-865-00 | CARBON | 27K | 5% | 1/6W |
| R129 | 1-247-857-00 | CARBON | 12K | 5% | 1/6W |
| R130 | 1-247-859-00 | CARBON | 15K | 5% | 1/6W |
| R131 | 1-246-492-00 | CARBON | 6.2K | 5% | 1/4W |
| R132 | 1-246-436-00 | CARBON | 30 | 5% | 1/4W |
| R133 | 1-246-502-00 | CARBON | 16K | 5% | 1/4W |
| R134 | 1-247-803-00 | CARBON | 68 | 5% | 1/6W |
| R135 | 1-246-545-00 | CARBON | 1M | 5% | 1/4W |
| R136 | 1-247-886-00 | CARBON | 200K | 5% | 1/6W |
| R137 | 1-247-839-00 | CARBON | 2.2K | 5% | 1/6W |
| R138 | 1-246-501-00 | CARBON | 15K | 5% | 1/4W |
| R139 | 1-246-545-00 | CARBON | 1M | 5% | 1/4W |
| R140 | 1-246-509-00 | CARBON | 33K | 5% | 1/4W |
| R141 | 1-246-508-00 | CARBON | 30K | 5% | 1/4W |
| R142 | 1-246-475-00 | CARBON | 1.2K | 5% | 1/4W |
| R143 | 1-246-455-00 | CARBON | 180 | 5% | 1/4W |
| R144 | 1-246-453-00 | CARBON | 150 | 5% | 1/4W |
| R145 | 1-246-459-00 | CARBON | 270 | 5% | 1/4W |
| R146 | 1-246-533-00 | CARBON | 330K | 5% | 1/4W |
| R147 | 1-214-737-00 | METAL | 2.2K | 1% | 1/4W |
| R148 | 1-247-859-00 | CARBON | 15K | 5% | 1/6W |
| R149 | 1-246-504-00 | CARBON | 20K | 5% | 1/4W |
| R150 | 1-246-485-00 | CARBON | 3.3K | 5% | 1/4W |
| R151 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W |
| R152 | 1-246-485-00 | CARBON | 3.3K | 5% | 1/4W |
| R153 | 1-246-529-00 | CARBON | 220K | 5% | 1/4W |
| R154 | 1-247-888-00 | CARBON | 240K | 5% | 1/6W |
| R155 | 1-247-888-00 | CARBON | 240K | 5% | 1/6W |
| R156 | 1-247-821-00 | CARBON | 390 | 5% | 1/6W |

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- Due to standardization, parts with part numbers (△-△△△-△△△-XX or △-△△△△-△△△-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μ F, PF: μ F.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH : μ H

ELECTRICAL PARTS

| Ref.No. | Part No. | Description |
|---------|--------------|-------------|
| R157 | 1-247-871-00 | CARBON |
| R158 | 1-214-966-00 | METAL |
| R159 | 1-246-490-00 | CARBON |
| R160 | 1-246-502-00 | CARBON |
| R161 | 1-246-475-00 | CARBON |
| R162 | 1-246-467-00 | CARBON |
| R163 | 1-246-510-00 | CARBON |
| R164 | 1-246-473-00 | CARBON |
| R165 | 1-246-477-00 | CARBON |
| R166 | 1-246-484-00 | CARBON |
| R167 | 1-246-533-00 | CARBON |
| R168 | 1-246-511-00 | CARBON |
| R169 | 1-246-490-00 | CARBON |
| R170 | 1-247-830-00 | CARBON |
| R171 | 1-246-457-00 | CARBON |
| R172 | 1-246-501-00 | CARBON |
| R173 | 1-246-507-00 | CARBON |
| R174 | 1-246-493-00 | CARBON |
| R175 | 1-246-473-00 | CARBON |
| R176 | 1-246-529-00 | CARBON |
| R177 | 1-246-473-00 | CARBON |
| R178 | 1-214-737-00 | METAL |
| R179 | 1-247-839-00 | CARBON |
| R180 | 1-246-497-00 | CARBON |
| R181 | 1-246-509-00 | CARBON |
| R182 | 1-246-521-00 | CARBON |
| R183 | 1-246-521-00 | CARBON |
| R184 | 1-246-473-00 | CARBON |
| R185 | 1-246-519-00 | CARBON |
| R186 | 1-246-519-00 | CARBON |
| R187 | 1-247-871-00 | CARBON |
| R188 | 1-247-841-00 | CARBON |
| R189 | 1-247-807-00 | CARBON |
| R190 | 1-247-855-00 | CARBON |
| R191 | 1-247-829-00 | CARBON |
| R192 | 1-247-863-00 | CARBON |
| R193 | 1-247-848-00 | CARBON |
| R194 | 1-247-823-00 | CARBON |
| R195 | 1-247-855-00 | CARBON |
| R196 | 1-247-833-00 | CARBON |
| R197 | 1-247-839-00 | CARBON |
| R198 | 1-247-826-00 | CARBON |
| R199 | 1-247-848-00 | CARBON |
| R200 | 1-214-746-00 | METAL |
| R201 | 1-214-737-00 | METAL |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | Ref.No. | Part No. | Description |
|---------|--------------|-------------|---------|--------------|-------------|
| R258 | 1-214-966-00 | METAL | R534 | 1-214-966-00 | METAL |
| R278 | 1-214-737-00 | METAL | R535 | 1-214-737-00 | METAL |
| R301 | 1-247-845-00 | CARBON | R536 | 1-247-845-00 | CARBON |
| R302 | 1-247-863-00 | CARBON | R537 | 1-247-863-00 | CARBON |
| R303 | 1-247-863-00 | CARBON | R538 | 1-247-863-00 | CARBON |
| R304 | 1-247-863-00 | CARBON | R539 | 1-247-863-00 | CARBON |
| R305 | 1-247-863-00 | CARBON | R540 | 1-247-863-00 | CARBON |
| R306 | 1-246-497-00 | CARBON | R541 | 1-246-497-00 | CARBON |
| R401 | 1-247-845-00 | CARBON | R555 | 1-247-845-00 | CARBON |
| R402 | 1-247-863-00 | CARBON | R556 | 1-247-863-00 | CARBON |
| R403 | 1-247-863-00 | CARBON | R557 | 1-247-863-00 | CARBON |
| R404 | 1-247-863-00 | CARBON | R558 | 1-247-863-00 | CARBON |
| R405 | 1-247-863-00 | CARBON | R701 | 1-247-863-00 | CARBON |
| R406 | 1-246-497-00 | CARBON | R702 | 1-246-497-00 | CARBON |
| R501 | 1-246-489-00 | CARBON | R703 | 1-246-489-00 | CARBON |
| R502 | 1-246-505-00 | CARBON | R704 | 1-246-505-00 | CARBON |
| R503 | 1-246-513-00 | CARBON | R705 | 1-246-513-00 | CARBON |
| R504 | 1-246-521-00 | CARBON | R706 | 1-246-521-00 | CARBON |
| R505 | 1-246-465-00 | CARBON | R707 | 1-246-465-00 | CARBON |
| R506 | 1-246-465-00 | CARBON | R708 | 1-246-465-00 | CARBON |
| R507 | 1-246-497-00 | CARBON | R709 | 1-246-497-00 | CARBON |
| R508 | 1-246-489-00 | CARBON | R710 | 1-246-489-00 | CARBON |
| R509 | 1-246-509-00 | CARBON | R711 | 1-246-509-00 | CARBON |
| R510 | 1-246-507-00 | CARBON | R712 | 1-246-507-00 | CARBON |
| R511 | 1-246-507-00 | CARBON | R713 | 1-246-507-00 | CARBON |
| R512 | 1-246-427-00 | CARBON | R714 | 1-246-427-00 | CARBON |
| R513 | 1-217-531-00 | FUSIBLE | R715 | 1-217-531-00 | FUSIBLE |
| R514 | 1-246-497-00 | CARBON | R716 | 1-246-497-00 | CARBON |
| R515 | 1-246-513-00 | CARBON | R717 | 1-246-513-00 | CARBON |
| R516 | 1-246-495-00 | CARBON | R718 | 1-246-495-00 | CARBON |
| R517 | 1-246-497-00 | CARBON | R719 | 1-246-497-00 | CARBON |
| R518 | 1-246-489-00 | CARBON | R720 | 1-246-489-00 | CARBON |
| R521 | 1-246-505-00 | CARBON | R721 | 1-246-505-00 | CARBON |
| R522 | 1-246-513-00 | CARBON | R722 | 1-246-513-00 | CARBON |
| R523 | 1-246-449-00 | CARBON | R723 | 1-246-449-00 | CARBON |
| R524 | 1-246-509-00 | CARBON | R724 | 1-246-509-00 | CARBON |
| R525 | 1-246-487-00 | CARBON | R725 | 1-246-487-00 | CARBON |
| R526 | 1-214-725-00 | METAL | R726 | 1-214-725-00 | METAL |
| R527 | 1-214-730-00 | METAL | R727 | 1-214-730-00 | METAL |
| R528 | 1-214-730-00 | METAL | R728 | 1-214-730-00 | METAL |
| R529 | 1-214-725-00 | METAL | R729 | 1-214-725-00 | METAL |
| R530 | 1-246-497-00 | CARBON | R730 | 1-246-497-00 | CARBON |
| R531 | 1-246-497-00 | CARBON | R731 | 1-246-497-00 | CARBON |
| R532 | 1-247-863-00 | CARBON | R732 | 1-247-863-00 | CARBON |
| R533 | 1-247-871-00 | CARBON | R733 | 1-247-871-00 | CARBON |

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For standardization, parts with part numbers (C-XXXX-XXX-XX or A-XXXX-XXX-X) are different from those used in the

CAPACITORS:

All capacitors are in pF. Common capacitors are omitted. Refer to the following lists for their part numbers.
MF: pF, PF: pF.

RESISTORS

All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

F: nonflammable

COILS

MMH: mH, UH: uH

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NOTE:

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Due to standardization, parts with part numbers (C-XXXX-XXX-XX or A-XXXX-XXX-X) are different from those used in the

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|-------------|------|----|--------|
| R534 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W |
| R535 | 1-246-487-00 | CARBON | 3.9K | 5% | 1/4W |
| R536 | 1-246-480-00 | CARBON | 2K | 5% | 1/4W |
| R537 | 1-246-485-00 | CARBON | 3.3K | 5% | 1/4W |
| R538 | 1-246-467-00 | CARBON | 560 | 5% | 1/4W |
| R539 | 1-246-529-00 | CARBON | 220K | 5% | 1/4W |
| R540 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W |
| R541 | 1-246-521-00 | CARBON | 100K | 5% | 1/4W |
| R555 | 1-212-849-00 | FUSIBLE | 4.7 | 5% | 1/4W F |
| R556 | 1-212-849-00 | FUSIBLE | 4.7 | 5% | 1/4W F |
| R557 | 1-246-471-00 | CARBON | 820 | 5% | 1/4W |
| R558 | 1-246-471-00 | CARBON | 820 | 5% | 1/4W |
| R701 | 1-246-521-00 | CARBON | 100K | 5% | 1/4W |
| R702 | 1-246-521-00 | CARBON | 100K | 5% | 1/4W |
| R703 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W |
| R704 | 1-246-477-00 | CARBON | 1.5K | 5% | 1/4W |
| R705 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W |
| R706 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R707 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R708 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R709 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R710 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R711 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R712 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R713 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R714 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R715 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R716 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R717 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R718 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R719 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R720 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R721 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R722 | 1-246-457-00 | CARBON | 220 | 5% | 1/4W |
| R723 | 1-246-457-00 | CARBON | 220 | 5% | 1/4W |
| R724 | 1-246-459-00 | CARBON | 270 | 5% | 1/4W |
| R725 | 1-246-459-00 | CARBON | 270 | 5% | 1/4W |
| R726 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W |
| R727 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W |
| R728 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W |
| R729 | 1-247-871-00 | CARBON | 47K | 5% | 1/6W |
| R730 | 1-247-895-00 | CARBON | 470K | 5% | 1/6W |
| R731 | 1-246-537-00 | CARBON | 470K | 5% | 1/4W |
| R732 | 1-246-513-00 | CARBON | 47K | 5% | 1/4W |
| R733 | 1-246-513-00 | CARBON | 47K | 5% | 1/4W |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|-------------|------|----|------|
| R734 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W |
| R735 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R736 | 1-244-867-00 | CARBON | 560 | 5% | 1/2W |
| R738 | 1-246-475-00 | CARBON | 1.2K | 5% | 1/4W |
| R739 | 1-246-489-00 | CARBON | 4.7K | 5% | 1/4W |
| R740 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W |
| R743 | 1-246-412-00 | CARBON | 3 | 5% | 1/4W |
| R744 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R745 | 1-246-489-00 | CARBON | 4.7K | 5% | 1/4W |
| R746 | 1-247-821-91 | CARBON | 390 | 5% | 1/6W |
| R747 | 1-244-867-00 | CARBON | 560 | 5% | 1/2W |
| R748 | 1-246-490-00 | CARBON | 5.1K | 5% | 1/4W |
| R749 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R750 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R751 | 1-246-521-00 | CARBON | 100K | 5% | 1/4W |
| R752 | 1-246-513-00 | CARBON | 47K | 5% | 1/4W |
| R753 | 1-247-863-00 | CARBON | 22K | 5% | 1/6W |
| R754 | 1-247-847-00 | CARBON | 4.7K | 5% | 1/6W |
| R755 | 1-246-477-00 | CARBON | 1.5K | 5% | 1/4W |
| R756 | 1-246-477-00 | CARBON | 1.5K | 5% | 1/4W |
| R757 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R758 | 1-246-531-00 | CARBON | 270K | 5% | 1/4W |
| R759 | 1-246-449-00 | CARBON | 100 | 5% | 1/4W |
| R760 | 1-246-497-00 | CARBON | 10K | 5% | 1/4W |
| R761 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R762 | 1-246-512-00 | CARBON | 43K | 5% | 1/4W |
| R763 | 1-246-495-00 | CARBON | 8.2K | 5% | 1/4W |
| R764 | 1-246-473-00 | CARBON | 1K | 5% | 1/4W |
| R765 | 1-246-489-00 | CARBON | 4.7K | 5% | 1/4W |
| R766 | 1-246-513-00 | CARBON | 47K | 5% | 1/4W |
| R767 | 1-244-857-00 | CARBON | 220 | 5% | 1/2W |
| R769 | 1-214-764-00 | METAL | 30K | 1% | 1/4W |
| R770 | 1-246-489-00 | CARBON | 4.7K | 5% | 1/4W |
| R771 | 1-246-505-00 | CARBON | 22K | 5% | 1/4W |
| R772 | 1-246-467-00 | CARBON | 560 | 5% | 1/4W |
| R773 | 1-246-489-00 | CARBON | 4.7K | 5% | 1/4W |
| R774 | 1-246-439-00 | CARBON | 39 | 5% | 1/4W |
| R775 | 1-244-882-00 | CARBON | 2.4K | 5% | 1/2W |
| R776 | 1-246-441-00 | CARBON | 47 | 5% | 1/4W |
| R778 | 1-246-513-00 | CARBON | 47K | 5% | 1/4W |
| R801 | 1-247-883-00 | CARBON | 150K | 5% | 1/6W |
| R802 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W |
| R803 | 1-247-883-00 | CARBON | 150K | 5% | 1/6W |
| R804 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W |
| R805 | 1-247-855-00 | CARBON | 10K | 5% | 1/6W |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|-------------------------|-----|----|------|
| R806 | 1-247-813-00 | CARBON | 180 | 5% | 1/6W |
| R807 | 1-247-825-00 | CARBON | 560 | 5% | 1/6W |
| R808 | 1-246-451-00 | CARBON | 120 | 5% | 1/4W |
| RV101 | 1-226-236-00 | RES, ADJ, CARBON 10K | | | |
| RV102 | 1-226-237-00 | RES, ADJ, CARBON 20K | | | |
| RV103 | 1-226-236-00 | RES, ADJ, CARBON 10K | | | |
| RV201 | 1-226-236-00 | RES, ADJ, CARBON 10K | | | |
| RV202 | 1-226-237-00 | RES, ADJ, CARBON 20K | | | |
| RV203 | 1-226-236-00 | RES, ADJ, CARBON 10K | | | |
| RV501 | 1-226-991-00 | RES, VAR, SLIDE 20K/20K | | | |
| RY501 | 1-515-473-00 | RELAY | | | |
| S1 | 1-554-410-00 | SWITCH, LEAF | | | |
| S2 | 1-554-411-00 | SWITCH, PUSH (1 KEY) | | | |
| S3 | 1-554-422-00 | SWITCH, PUSH (1 KEY) | | | |
| S4 | 1-554-411-00 | SWITCH, PUSH (1 KEY) | | | |
| S5 | 1-554-411-00 | SWITCH, PUSH (1 KEY) | | | |
| S501 | 1-554-423-00 | SWITCH, SLIDE | | | |
| S502 | 1-553-802-00 | SWITCH, SLIDE | | | |
| S701 | 1-554-303-00 | SWITCH, KEY BOARD | | | |
| S702 | 1-554-303-00 | SWITCH, KEY BOARD | | | |
| S703 | 1-554-303-00 | SWITCH, KEY BOARD | | | |
| S704 | 1-554-303-00 | SWITCH, KEY BOARD | | | |
| S705 | 1-554-303-00 | SWITCH, KEY BOARD | | | |
| S706 | 1-554-303-00 | SWITCH, KEY BOARD | | | |
| S707 | 1-554-303-00 | SWITCH, KEY BOARD | | | |
| S708 | 1-554-303-00 | SWITCH, KEY BOARD | | | |

ELECTRICAL PARTS

| Ref.No. | Part No. | Description | | | |
|---------|--------------|---|--|--|--|
| S710 | 1-554-208-00 | SWITCH, SLIDE | | | |
| S711 | 1-554-078-00 | SWITCH, SLIDE | | | |
| S801 | 1-554-303-00 | SWITCH, KEY BOARD | | | |
| S802 | 1-554-303-00 | SWITCH, KEY BOARD | | | |
| S803 | 1-554-303-00 | SWITCH, KEY BOARD | | | |
| S804 | 1-554-303-00 | SWITCH, KEY BOARD | | | |
| S805 | 1-554-303-00 | SWITCH, KEY BOARD | | | |
| S806 | 1-554-303-00 | SWITCH, KEY BOARD | | | |
| S807 | 1-554-424-00 | SWITCH, PUSH | | | |
| AS1000 | 1-553-319-00 | (US,Canadian)...SWITCH, PUSH (AC POWER) | | | |
| AS1000 | 1-553-318-00 | (AEP,E).....SWITCH, PUSH (AC POWER) | | | |
| AS1000 | 1-553-447-00 | (UK).....SWITCH, PUSH (AC POWER) | | | |
| T501 | 1-433-257-00 | TRANSFORMER, BIAS OSCILLATOR | | | |
| AT1000 | 1-447-585-00 | (US,Canadian)...TRANSFORMER, POWER | | | |
| AT1000 | 1-447-584-00 | (AEP,UK).....TRANSFORMER, POWER | | | |
| AT1000 | 1-447-588-00 | (E).....TRANSFORMER, POWER | | | |
| TH701 | 1-800-194-11 | THERMISTORC/DIRECT-HEATING DISK | | | |
| TH702 | 1-800-194-11 | THERMISTORC/DIRECT-HEATING DISK | | | |
| W2 | 1-535-115-00 | TERMINAL | | | |
| W3 | 1-535-116-00 | TERMINAL | | | |
| W4 | 1-535-117-00 | TERMINAL | | | |
| W5 | 1-535-115-00 | TERMINAL | | | |
| X701 | 1-527-822-00 | OSCILLATOR, CERAMIC | | | |
| X702 | 1-527-973-00 | OSCILLATOR, CERAMIC | | | |

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "●" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (L-XXX-XXX-XX or L-XXX-XXX-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μ F, PF: μ PF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F: nonflammable

COILS

- MMH: mH, UH: μ H

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "●" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (L-XXX-XXX-XX or L-XXX-XXX-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μ F, PF: μ PF.

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- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

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- MMH: mH, UH: μ H

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

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Sony Corporation
Consumer Products Group
Technical Support Dept.

9-951-107-11